



POLICE DEPARTMENT SOLAR CARPORT



www.kokosing.biz

City of Bexley



SUBMITTED BY:

Kokosing Industrial, Inc.

David Zelasko, Commercial Solar Consultant
6235 Westerville Rd, Westerville, OH 43081



Elizabeth Ellman
Sustainability Programs Coordinator
eellman@bexley.org
City of Bexley, Ohio

Re: Request For Proposal - Police Department Solar Carport

Dear Elizabeth Ellman,

Kokosing Solar, a division of Kokosing Industrial, Inc., is pleased to submit our proposal in response to the City of Bexley's Request for Proposals for Solar Design-Build Services for a solar photovoltaic system. Our team has received and reviewed all RFP appendixes and includes considerations from the addenda. We are excited about the opportunity to support the City of Bexley's sustainability goals and look forward to the possibility of delivering highperformance, cost-effective solar energy systems tailored to your facilities.

We believe Kokosing Solar is uniquely positioned to deliver exceptional value to the City of Bexley. Our team has a deep understanding of the project's scope and potential challenges, and our proven design and execution strategies ensure reliability and performance. With comprehensive in-house capabilities, including financial analysis and the full EPC scope, we are equipped to streamline the schedule and maximize project efficiency.

- We affirm that our proposal shall remain valid and open for acceptance by the City of Bexley for a period of not less than ninety (90) days from the date of submission.
- The undersigned is authorized to bind Kokosing Industrial, Inc. to the terms of any contract that may result from this proposal.
- By signing this letter, we attest that all information provided in our proposal is true and correct to the best of our knowledge.

Please direct any questions regarding our proposal to David Zelasko, Commercial Solar Consultant, at 740.590.1755 and david.zelasko@kokosing.biz.

Respectfully,

ROBERTA WASHBURN

A blue ink signature of Roberta Washburn, written in a cursive style.

Director of Solar Operations
Kokosing Industrial
Roberta.Washburn@kokosing.biz
740.444.4981

DAVID ZELASKO

Commercial Solar Consultant
Kokosing Industrial
David.Zelasko@kokosing.biz
740.590.1755



TABLE OF CONTENTS

01

Qualifications

02

Work Plan

03

Project Specifications

04

Cost

05

APPENDIX A: Resumes

06

APPENDIX B: Reference Projects

07

APPENDIX C: PV Design

08

APPENDIX D: Product Data Sheets

09

APPENDIX E: Example Contract

QUALIFICATIONS



QUALIFICATIONS

Kokosing Solar has the proven capacity to deliver full turn-key solar design-build projects. We have over 25 years in the clean energy industry designing, constructing and maintaining projects like these. The direct experience of our team is an asset, and we have included a list of the proposed personnel and requested resumes in Appendix A who will be directly involved in preconstruction, construction, and contract administration.

Kokosing is uniquely positioned to deliver solar power projects to municipal clients:

- 25 years of solar design experience with in-house NABCEP design professionals, Licensed Electricians and Professional Engineers
- Local Union workforce of dedicated, trained solar installers which meets the Prevailing Wage and Apprenticeship requirements of the Inflation Reduction Act
- Proven in-house civil, mechanical, and electrical construction expertise
- Largest Equipment fleet in the region – minimizing equipment rental needs/risks
- Solar procurement cost advantage through the Amicus Solar Cooperative and Kokosing's professional procurement staff.
- Reliable and professional construction processes, using proven software to stay and on-track, plus project-specific Safety and Quality programs
- Self-performance of critical construction tasks (no subcontractor risk)
- Successful track record on similar solar projects for municipal clients
- Dedicated, in-house, O&M Service team
- Financially strong with operations for 74 years with the ability to deliver and stand behind the project

YEARS IN BUSINESS

Kokosing was founded in 1951, and over the past 74 years, has grown to become one of the largest family-owned construction companies in the Midwest and Mid-Atlantic. **The company currently employs over 4,000 people and generates annual revenues of over \$2.5B per year with a bonding capacity exceeding \$4B.** Engineering News Record ranked Kokosing the 49th largest contractor in the 2025 Top 400 U.S. contractors list. We have also demonstrated our strong safety culture in many ways, including being awarded the AEP Transmission Contractor Safety Award and being a preferred contractor with Consumer's Energy.

Kokosing has been a part of the changing power landscape for most of the company's history. Kokosing Solar is a result of an acquisition between Kokosing Industrial and Third Sun Solar, which was founded in Ohio in 2000. The group is a division within Kokosing Industrial, Inc., whose team is dedicated to solar and battery storage projects. Kokosing is headquartered in Central Ohio at 6235 Westerville Rd, Westerville, OH 43081.



EXPERIENCE WITH LOCAL GOVERNMENT

Since 2000, Kokosing Solar has installed more than 55 MWdc of solar. Kokosing is one of the region's premier General Contractor's with much of our work within Public Entities. Recently, Kokosing Solar completed construction of a design-build contract with the City of Lebanon for a 9.8 MW solar generation facility. Additionally, Kokosing Solar is the Design-Builder and financier for the City of Athens 2.1 MW solar generation project providing power to their community center, city pool, and Wastewater Treatment Plant.

Our success is tied to the performance of our systems and our customer-centric culture. We are proud of our stellar record with all our clients.

CERTIFICATES, LICENSES AND CREDENTIALS

- Licensed Electrical Contractor: In addition to being a licensed, bonded, and insured design-build general contractor, Kokosing directly holds an Electrical contractors License (# 49109).
- Certified Energy Manager: The Association of Energy Engineers CEM certification is an ANSI accredited credential of expertise in energy performance optimization and cost reduction.
- NABCEP Certification: NABCEP (North American Board of Certified Energy Practitioners) is the "gold standard" certification in the solar industry. Kokosing Solar Director of Solar Strategy, Geoff Greenfield, is the Vice-Chair of the NABCEP Board of Directors. Key members of the Project Team are NABCEP Certificate holders.
- Unmatched Safety Program: Our safety record and EMR score reflect the prioritization of our safety program and culture.

KEY PERSONEL, QUALIFICATIONS AND EXPERIENCE

Kokosing's approach to staffing projects is to match the project work to our accomplished employees with the skills needed to complete the work safely, efficiently and effectively. By applying this philosophy to the development phase and design-build delivery for the City of Bexley, we have developed the following roster for project staffing. Our Pre-Construction and Construction Management team members have substantial experience conducting feasibility

studies, designing and installing solar energy projects, and we have included full resumes for all Kokosing Solar team members in Appendix A.

Kokosing's self-performing capabilities provide our team with advantages as the individuals have all worked together in the past and have developed strong working relationships built on trust and communication.

PRECONSTRUCTION SERVICES

The preconstruction team we have assembled have all performed project development for projects with: The City of Lebanon, The City of Athens and Ottawa County, all municipal entities similar to the City of Bexley. This team is well suited and ready to get to work on this preconstruction effort and eventual project and see it through to completion.



Project Development Manager - Andrew O'Donnell, NABCEP PIVP

Andrew is a leader with 10 years of experience in solar, fluent in multiple facets of modeling, pricing, design, estimation, procurement, construction, project management, and servicing of grid-tied solar PV and energy storage systems. Throughout his experience, he has overseen the installation of multiple megawatts of residential, commercial, and industrial solar PV generation projects. His skill set includes PV site assessment, client consultation, PV design, NEC and building code, installation, commissioning, project management, system maintenance, and data collection.

Project Role – Project Manager: Preconstruction Phase

Location – Columbus, Ohio

Certifications – Engineering Degree, NABCEP PV Installation Professional

Experience – 10 years solar experience, 6 years forensic accounting

Skills – Estimating, cost analysis, material selection

Scope of Work – Guiding the initial design and generating a cost proposal

Contact - 6235 Westerville Road, Westerville, Ohio, 43081, 704-770-6554, andrew.odonnell@kokosing.biz



Director of Solar Strategy – Geoff Greenfield, NABCEP PIVP

Geoff has been designing and installing renewable energy systems since 1997 and co-founded Third Sun Solar (now part of Kokosing) in 2000. He is a recognized leading authority within Ohio's Solar Energy sector, as well as nationally. Geoff is the Vice Chairman on the NABCEP Board of Directors and has the team's expertise in the financial incentives available for Solar. Geoff closely monitors updates from the U.S. Department of Treasury to advise clients on incentives available for Investment Tax Credits, Solar Renewable Energy Certificates and overall project development and finance details.

Project Role – Economic and Financial Analyst

Location – Athens, Ohio

Certifications – NABCEP PVIP (Emeritus), Vice Chair NABCEP Board of Directors

Experience – 27 years solar experience, 30 years financial modeling and structuring

Skills – Economic, technology, financial, and policy analysis

Scope of Work – Provide direct economic, technical and financial guidance to inform the project throughout the preconstruction phase



Preconstruction Manager – Jack Hadley, NABCEP PVIP

Jack has been involved in the solar industry in various roles since 2009. He earned his NABCEP certification in 2013 and has had significant advanced training in solar design, safety, best practices, and NEC compliance. Jack leads the Kokosing team in Engineering and Procurement activities and works closely with the project team during construction and commissioning.

Project Role – Preconstruction Manager

Location – Athens, Ohio

Certifications – NABCEP, AutoCAD Certification

Experience – 15 years solar experience

Skills – Solar design, estimating, commissioning

Scope of Work – Solar system engineering and design from design through construction



Electrical Manager – Dustin Parr, PE, NABCEP PVIP

Dustin has 16 years of electrical experience in the engineering and construction industry. He has a professional engineering licensure and was the electrical lead on a combined cycle power plant. He has gained experience throughout his entire career at McGraw Kokosing starting in college and as a co-op, and today has served as project engineer and project manager on some of the largest construction projects Kokosing has ever worked on.

Project Role – Electrical Manager

Location – Middletown, Ohio

Certifications – Professional Engineer, Ohio Electrical Contractor, NABCEP PVIP

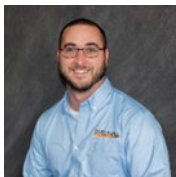
Experience – 3 years solar experience, 16 years electrical experience

Skills – Solar design, electrical code and regulatory compliance

Scope of Work – Provide electrical guidance and ensure compliance on solar designs

CONSTRUCTION TEAM LEADERSHIP

After confirmation of project economic viability, the construction team leadership will be the primary contacts for the City of Lansing during the construction phase. Working closely everyday with the preconstruction team, they are well suited to quickly and efficiently streamline preconstruction plans into solar array installation.



Solar Operations Manager – BJ Wolfgang, PE, NABCEP Associate

BJ Wolfgang has 15 years of experience in the construction industry, first starting with Kokosing as a co-op and now working as the Solar Operations Manager. BJ has also held positions within Kokosing of Project Manager, Field Engineer, Design Engineer, and Estimator. In his current role, he is responsible for the successful execution of all solar projects.

Similar Work: As Project Manager for the Athens East Side solar projects, BJ led improvements across three solar installation sites, including at the Athens Wastewater treatment plant. BJ was the Project Manager on Kokosing Solar's Lebanon solar project, playing a crucial role in overcoming the challenge of building within a city floodplain. BJ's tailored engineering solutions exemplify his commitment to addressing complex project challenges.

Project Role – Construction Project Manager

Location – Cleveland, Ohio

Certifications – Professional Engineer, NABCEP PV Associate

Experience – 3 years solar experience, 15 years construction experience

Skills – Project management, estimating, field engineering

Scope of Work – Guiding project scope, schedule, and budget



Project Engineer – Matt Bissell

Matt is an accomplished Project Manager with over 15 years of experience in the electric utility industry, including extensive expertise in managing large-scale projects, leading cross-functional teams, and optimizing operational efficiency. Proven ability to drive project success through strategic planning, budget management, and safety improvements. Adept at communicating with executive leadership and stakeholders to achieve organizational goals.

Project Role – Project Engineer

Location – Athens, Ohio

Certifications – 3rd Class Stationary Engineer

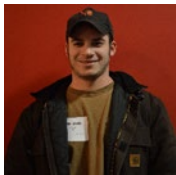
Experience – 10 years electrical & mechanical maintenance experience

Skills – Permitting, scheduling, communication, collaboration, problem solving

Scope of Work – Day-to-day responsibilities for permitting, interconnection, procurement, and working with the City to coordinate and schedule specific activities

CONSTRUCTION SERVICES

Construction services include scheduling, equipment and materials procurement, construction, commissioning, training, and close-out.



Solar Superintendent – Preston Harrison

Preston brings over 17 years of construction experience with Kokosing, including work on the Athens East Side, City of Lebanon and Cuyahoga County solar projects. Preston combines customer satisfaction, crew safety and value to the community into project delivery.

Project Role – Solar Superintendent

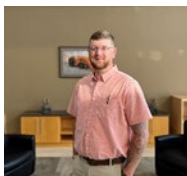
Location – Cleveland, Ohio

Certifications – Construction Degree, OSHA-30, First Aid/CPR, Primavera, Viewpoint

Experience – 3 years solar experience, 17 years of construction experience

Skills – Purchasing, conflict resolution, negotiating

Scope of Work – Material delivery scheduling, problem solving, team member coordination and management, safety inspections, and implementation, cost and quantity tracking, and project scheduling



Startup and Commissioning Superintendent – Tyler Rice

Tyler has been involved in the solar industry in a variety of roles for 9 years. In his current role, Tyler manages commissioning large scale commercial projects. Tyler brings a wealth of experience, particularly in the field of utility-grade solar energy facilities. As a former Construction Foreman Tyler managed planning, material ordering, personnel, equipment tracking, and day-to-day activities related to solar energy projects. His expertise extends to underground cabling, pile and racking installation, and project commissioning. His work was critical in the commissioning success at the City of Lebanon.

Project Role – Startup and Commissioning Superintendent

Location – Columbus, Ohio

Certifications – NFPA 70e, Stäubli MC4, OSHA-30

Experience – 9 years solar experience

Skills – Permitting, scheduling, communication, collaboration, problem solving

Scope of Work – facilitating submittals, coordinating with vendors, maintaining the schedule and developing the as-builts

CORPORATE SERVICES

Corporate services are those support activities provided to and performed on all Kokosing Solar projects. Corporate services include senior management supervision and the management of the contract.



Director of Solar Operations – Roberta Washburn

Roberta Washburn is a seasoned professional with a robust business operations and human resources background. She has been in the solar industry for 6 years and brings strategic planning expertise. Roberta's diverse project experience makes her the right person to lead our team through feasibility, design, and construction to a successful end. Roberta's close work with the City of Athens and Columbus Metropolitan Library has made these public projects successful.

Project Role – Project Executive

Location – Athens, Ohio

Skills – Safety, management, resource management, operational efficiency

Experience – 6 years solar experience, 15 years executive management experience

Scope of Work – Team guidance and oversight



Vice President – Brady Phillips, PE, NABCEP Associate

Brady Phillips has over 25 years of experience in the construction industry. Through his varied roles as a discipline estimator, lead estimator, project engineer, project manager, department manager, and business group leader, Brady has extensive experience in all phases of the construction process. As Vice President of Kokosing Industrial, he is responsible for Kokosing Industrial's Solar and Renewable Energy EPC Business and will serve as Project Executive providing guidance and management oversight of the Solar team.

Project Role – Project Executive

Location – Columbus, Ohio

Certifications – Professional Engineer, NABCEP Associate

Experience – 3 years solar experience, 25 years construction experience

Skills – Permitting, estimating, field engineering, management

Scope of Work – Team guidance and oversight

REFERENCES

The references provided below highlight the general (and carport-specific) experience of the project team. Details of the reference projects can be found in Appendix B.

Project Name/ Location	Client Name/ Contact Info	Capacity (MW DC)	Operational Date
Athens East Side Solar Project Athens, OH	Steve Patterson, Mayor, 740-592-3338 spatterson@ci.athens.oh.us	2.1 MW DC	2023
Festo USA Corporate Campus Mason, OH	Steven Harnist, Project Manager, 513-266-1111, steven.harnist@festo.com	675 kW DC	2025
City of Lebanon Municipal Utility Lebanon, OH	Shawn Coffey, City Manager, 513-228-3200, scoffey@lebanonohio.gov	9.8 MW DC	2024

WORK PLAN



WORK PLAN

Kokosing Solar has reviewed all documents associated with this RFP. We understand that CITY OF BEXLEY is seeking a qualified and experienced company to complete a Solar PV Installation at the CITY OF BEXLEY Police Department in Bexley, Ohio. We are providing a complete turnkey (Design-Build) solution that will provide excellence and timeliness in solar PV system design and construction, attractive pricing, and using standardized documents and processes.

Our overall strategy and approach on projects such as the CITY OF BEXLEY solar project is to be both responsive to the customer's stated goals as well as collaborative in bringing our experience and technical expertise into the design phase of the process. Upon award, Kokosing Solar will collaborate with CITY OF BEXLEY staff to develop the project as follows:

1. Project kickoff meeting, introducing team, methodology and confirming project objectives
2. Technical site visit and investigation of existing facilities and conditions
3. Preliminary material procurement plan and lead times
4. Development of formal project schedule
5. Assistance with registration of project for IRA incentives
6. Coordination of SREC credit strategy with selected SREC broker/advisor (if desired)
7. Coordination with your current roof warranty holder to maintain roof warranty (if applicable)
8. Development and review of design
9. Utility interconnection and net metering applications
10. Preliminary submission and review of building, electrical and other permits
11. Final application for all permits
12. Material procurement finalization, issuing POs
13. Development of site-specific safety program
14. Mobilization, material delivery and equipment staging
15. Construction and interim inspections
16. Commissioning and turn-on procedures
17. Final inspections and demobilization
18. Warranty registration and assignment
19. Customer operational training and turnover
20. Completion of final "as-built" drawings including module stringing details
21. Assistance with second phase of IRA registration paperwork
22. Post-installation inspection for roof warranty preservation
23. Completion of any remaining punch-list item, administrative job closeout
24. Beginning of contracted operations and maintenance phase (if selected)

Below we have outlined our proposed project approach for the CITY OF BEXLEY solar project.

SITE DESIGN & DEVELOPMENT

During the pre-construction phase we will finalize all detailed engineering, drawings, and submit the required permits. This includes completing electrical line diagrams that can be used for

electrical permits and applying for interconnection with American Electric Power (AEP). See Appendix C for our proposed design.

After confirming with CITY OF BEXLEY staff on the final design we will place our material order. Currently our procurement power through the Amicus Cooperative, and purchasing power through Kokosing Industrial, allows for minimal lead times on equipment and BOS materials.

Procurement will be concurrent with the permitting stage and subject to market availability. We are willing to hold our price firm for 90 days and have not identified any lead time issues due to the ongoing supply chain constraints.

In addition to the Electrical Engineering, our team will utilize a professional engineer to perform the structural analysis of each rooftop. The PE stamp of an Ohio Registered Professional Engineer is required for the building permit and Utility Interconnection Application. We will also begin detailed job planning and prepare our team for the site-specific requirements of this job. These efforts will include preparing site-specific training to make sure we have an effective means of communicating the expectations at the site for both the environmental aspects and safety requirements. During this stage, key stakeholders from the CITY OF BEXLEY Team will be involved in planning a safe, efficient installation process with minimal (if any) impact on daily operations.

IMPLEMENTATION & INSTALLATION

Kokosing Solar manages all field risks on Solar PV projects by self-performing the full scope of work. In addition, Kokosing has the processes and procedures in place to perform work safely and at a high quality - consistent with the expectations of CITY OF BEXLEY.

Our craft team members begin each project by safely ensuring materials are staged and loaded to designated areas. Once that is complete, they begin working on the onsite layout, installation of racking systems, and module installation.

During this time, our crews will be working on installing the DC and AC Conduits and DC and AC wiring, including pulling and terminating the AC interconnection wiring. For each site, we will be making our point of interconnection in the main service panel complying with 705.12 of the National Electric Code.

Throughout the construction we will be performing QC procedures including reviewing wiring expectations and torque checks to ensure the crew is building the site to a standard consistency.

START-UP & COMMISSIONING

When the solar system is connected to the electrical main, a full electrical shutoff will be required. Our team will complete our electrical shutdown after hours to allow the CITY OF BEXLEY offices to continue running without interruption during the day.

Kokosing Solar will follow a start-up and Commission plan that is site specific. The plan will verify the condition of all enclosures, test DC voltage and amperage of each string, and check grounding. We will verify that all labels are properly affixed, and monitoring points are working as expected. We will perform visual inspections and exercise all disconnects. Our inspections

also include thermal scanning of the inverters, switchgear, and a sampling of the modules. Our thorough project Quality Assurance and Quality Control methodology is based on industry best practices and includes advanced technologies such as IV-curve tracing and the use of drones and Infra-red scanners.

During construction, our team uses an internal SharePoint site to capture all contract documents, manuals, and field changes that are gathered throughout the project. At the completion of the project these documents are provided to the Customer in an organized manner.

During the commissioning stage, we will assist the CITY OF BEXLEY staff with establishing communication with the Enphase monitoring portal and connecting to the CITY OF BEXLEY internet system.

Finally, the Kokosing Solar commissioning superintendent will provide the CITY OF BEXLEY staff with instructions on how to use and maintain the system for day-to-day operation.

Timeline. The following table summarizes our timeline for the approach. These are conservative estimated timelines, that are dependent on interconnection, and vendor availability. The Kokosing Solar team works as safely and efficiently as possible to move through each stage of the process and reduce timelines as much as possible.

PROJECT SPECIFICATIONS



PROJECT SPECIFICATIONS

Carport Consideration

After review of the RFQ and all of the coordinating addendums, our initial recommendation will be to add a carport to the northern row of parking spaces. (Section 2 from Addendum B - Police Station Site Plan and Potential Array Locations). From our analysis, the northern end of the parking lot has the potential to reduce the amount of parking space loss by using dual foundations, with one north of the curb before the fence. To optimize both construction and production of the parking array, we will work with the city of Bexley to recommend an approach to tree trimming and also the possible removal of the tree directly to the east of the proposed array.

During the design phase, we will work with the city of Bexley to determine the most economical point of connection from the solar array into the Police Departments electrical service. Our initial design is based on running conduits from the solar array up and over the parapet wall, along the rooftop, and into the eastern electric room. A final determination on making our connection on a breaker vs a supply side tap will be based on the available space in the electrical room for code required equipment, like disconnects and load panels.

The proposed 59.16kWdc installation is a 50kWAC system on the new carport. Another alternative design considered 87kWdc; 69kWAC, but concerns about nuisance tripping and operating at the upper limit led to downsizing. Running near capacity leaves no margin for variations in power factor, which could cause voltage or frequency fluctuations. These fluctuations may force the system to increase amperage to maintain power output, creating reliability risks. The project has the potential to increase, utilizing the existing carport structure for an array, based on a full engineering evaluation of the electrical system and room.

EQUIPMENT SPECIFICATIONS

Module: The Q.PEAK DUO XL-G11-BFG module delivers exceptional efficiency of up to 21.4%, ensuring maximum energy output from limited space. Its bifacial Q.ANTUM solar cell technology captures light from both sides, boosting energy yield by up to 20% for superior performance. Built with a durable double-glass design, it offers a 12-year product warranty and an extended 30-year performance guarantee, making it a reliable long-term investment. Additionally, advanced features like Anti-LeTID and Anti-PID protection and excellent low-light behavior ensure consistent power generation in diverse weather conditions.

Racking: The solar carport system offers easy and efficient installation with a bolted foundation and minimal hardware, reducing labor time and complexity. Its universal panel adaptation and adjustable brackets ensure compatibility with all major module types, making it highly versatile. Designed to withstand extreme conditions, it supports wind loads up to 170 MPH and snow loads up to 80 PSF, guaranteeing durability and reliability. Backed by a 25-year warranty and 100% U.S. manufacturing, this system delivers long-term performance and peace of mind.

Inverters: The CPS SCA25KTL inverter delivers exceptional efficiency with up to 97% peak performance and 96.5% CEC rating, ensuring maximum energy harvest from your solar array. Its robust NEMA Type 4X enclosure and wide operating temperature range make it ideal for demanding outdoor environments. With three independent MPPTs and flexible DC inputs, it optimizes power generation across varied string configurations. Additionally, integrated safety features like rapid shutdown, arc-fault protection, and remote monitoring capabilities provide superior reliability and compliance with industry standards.

Equipment and workmanship warranties: The warranty details are as follows:

- **Solar Modules:** 12-year product warranty and 30-year power warranty
- **Inverters:** 10-year standard warranty, extension available for 20 years
- **Racking:** 25-year product warranty
- **Workmanship:** 2-year limited warranty

TOTAL SYSTEM SIZE (KW) AND PROJECTED ANNUAL OUTPUT (KWH/YEAR)

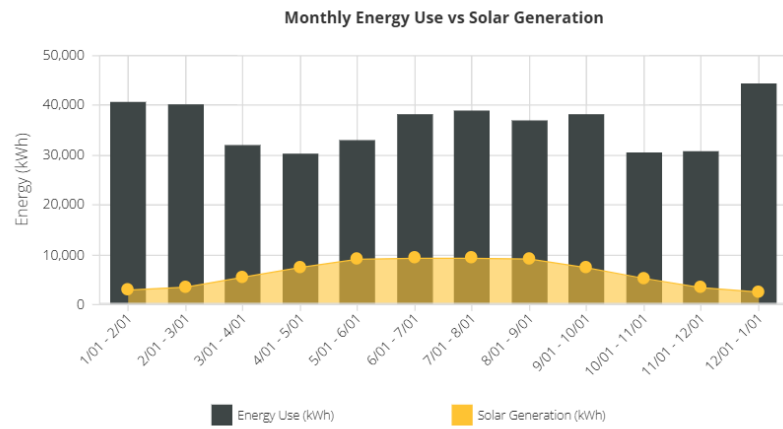
Kokosing Solar is proposing a 59.16kWdc for the City of Bexley Solar PV installation. Please See Appendix C for a detailed design overview and layout. A summary of the proposed system is outlined in the chart below.

System Size	Inverter	Solar Panels	Energy Offset	Projected Annual Output
59.16kW DC	(2) CPS SCA25KTL-DO/US-208	(102) QCells, Q.PEAK XL-G10.3 BFG 580	17% (single meter)	74,986 kWh/year

Output Modeling Information

⚡ Annual Production			
	Description	Output	% Delta
Irradiance (kWh/m²)	Annual Global Horizontal Irradiance	1,415.9	
	POA Irradiance	1,471.5	3.9%
	Shaded Irradiance	1,471.5	0.0%
	Irradiance after Reflection	1,414.5	-3.9%
	Irradiance after Soiling	1,364.8	-3.5%
	Total Collector Irradiance	1,364.8	0.0%
Energy (kWh)	Nameplate	81,441.2	
	Output at Irradiance Levels	85,462.0	4.9%
	Output at Cell Temperature Derate	84,239.0	-1.4%
	Output after Electrical Mismatch	80,605.9	-4.3%
	Optimal DC Output	80,430.8	-0.2%
	Constrained DC Output	80,120.3	-0.4%
	Inverter Output	77,305.6	-3.5%
	Energy to Grid	74,986.5	-3.0%
Temperature Metrics			
	Avg. Operating Ambient Temp	12.9 °C	
	Avg. Operating Cell Temp	19.8 °C	
Simulation Metrics			
	Operating Hours	4646	
	Solved Hours	4646	

☁ Condition Set												
Description	Condition Set 1											
Weather Dataset	TMY, 10km grid (39.95,-82.95), NREL (prospector) (download)											
Solar Angle Location	Meteo Lat/Lng											
Transposition Model	Perez Model											
Temperature Model	Sandia Model											
Temperature Model Parameters	Rack Type	a	b	Temperature Delta								
	Fixed Tilt	-3.56	-0.075	3°C								
	Flush Mount	-2.81	-0.0455	0°C								
	East-West	-3.56	-0.075	3°C								
	Carport	-3.56	-0.075	3°C								
Soiling (%)	J	F	M	A	M	J	J	A	S	O	N	D
	17.1	15	8.8	1.5	1	1	1	1	1	1	2.5	12.2
Irradiation Variance	5%											
Cell Temperature Spread	4° C											
Module Binning Range	0% to 1.5%											
AC System Derate	3.00%											
Trackers	Maximum Angle							Backtracking				
	0°							Disabled				
Module & Component Characterizations	Type	Component						Characterization				
	Module	Q.PEAK XL-G10.3 BFG 580 (QCells)						Spec Sheet Characterization, PAN				
	Inverter	CPS SCA25KTL-DO/US-208 (2020) (CPS)						Spec Sheet				



COST



COST

Solar PV System Cost and Incentives

Solar PV System Cost	\$452,802
Direct pay - 30% ITC	-\$135,841
REC	-\$7,425
<hr/>	
Net Solar PV System Cost	\$309,537

Costs include a turn-key system with Prevailing wage rates.

This proposal also includes comprehensive site preparation and enhancements, which cover landscaping services to clean up existing vegetation and remove one designated tree. Additionally, the scope involves directional boring under the parking area and driveway to accommodate necessary utilities, as well as the installation of under-canopy lighting to improve visibility and aesthetics.

INFLATION REDUCTION ACT INVESTMENT TAX CREDIT APPLICABILITY

Kokosing Solar is an expert in solar technology and construction but is not a legal or accounting professional. The rules and regulations surrounding tax incentives and the new IRA Elective/Direct Pay incentives are complex and we recommend that our clients engage the appropriate professionals for the final answers about any of these incentives. With that qualification, we provide the following information in response to this RFP.

We believe that this project will likely qualify for a 30% IRA Elective (direct) pay subsidy (ITC) as follows:

- 30% IRA ITC: The project is under 1 MW AC and will not trigger a 10% reduction for non-domestic content

Kokosing Solar is a self-performing solar specialty firm with a combined knowledge of both the IRA regulations and the labor and apprenticeship standards of its multiple union trades. The team will take the following specific steps to maximize the available IRA tax credits:

- Assist the City of Bexley with registering the project in the IRS elective pay portal in accordance with IRS Publication 5884
- Providing all required documentation at every pay application.

Our current understanding of the regulatory and project landscape allows us to strategically position this project for maximum incentives and minimal risk. The Investment Tax Credit (ITC) is scheduled to sunset in 2028, and a 30% ITC remains achievable if we execute the contract before July 3, 2026, or place the project in service before 2027. Additionally, Foreign Entity of

Concern (FEOC) requirements will not apply if the contract is executed prior to December 31, 2025. FEOC rules officially take effect on January 1, 2026, with guidance expected in the first half of 2026, retroactive to the start of the year. While these timelines are clear, uncertainties remain regarding which countries will be designated as FEOCs and what raw materials may need to be sourced elsewhere—factors that could impact both costs and project timelines. Furthermore, the AEP interconnection study may require 90+ days, which we have accounted for in our planning. By acting promptly, we can mitigate regulatory risk and secure optimal financial benefits for the project

If the City of Bexley can safe harbor by putting down 5-10% of project costs and executing a contract before December 31st then the project can avoid the FEOC requirements. Most of our customers have been advised by their tax professionals to also purchase the modules as extra insurance for their safe harbor efforts.

Kokosing Solar is closely following the FEOC guidelines to best support our customers. When FEOC guidance is formally released, Kokosing Solar will work with city of Bexley to adjust equipment if there is non-compliance with the forthcoming guidance.

SREC MONETIZATION STRATEGIES

Solar Renewable Energy Credits (SRECs) represent the environmental value of 1MWH of solar electricity generated. These credits can be sold, generating additional revenue for the City of Bexley. This project qualifies for Pennsylvania's Tier 1 market where SRECs currently trade around \$30. One broker, is offering:

- **Upfront sale:** \$125.50 per kW DC for a 15-year stream of SRECs
- **3-year strip:** \$20 per MWh for a fixed 3-year price lock.
- **Market:** Recent variance between \$27-35 with some upside potential.

While upfront monetization provides immediate cash flow and hedges against market risk, selling SRECs annually could yield higher returns. Kokosing Solar can assist the City of Bexley in evaluating these strategies and introduce qualified brokers. The process of selling the SRECs is straightforward. Kokosing Solar has modeled the "Upfront sale" in the economic models in the Appendix.

Our bid includes the City of Bexley's own revenue-grade meter. This will ensure:

- Compliance with SREC and PJM-GATS (reporting system)
- Redundancy in metering
- Independent performance verification and system analytics

WARRANTIES AND MAINTENANCE PLAN

Kokosing Solar understands that long-term performance is key to delivering the financial and environmental benefits of a solar energy system. While solar systems are relatively simple to operate, disciplined preventative maintenance and responsive service are essential to maximizing uptime and minimizing long-term costs.

Regardless of whether the City of Bexley elects to contract for O&M services with Kokosing Solar, we will provide:

- A detailed O&M Manual tailored to the project.
- Standard Operating Procedures (SOPs) for routine inspection and maintenance.
- As-built documentation and system training.
- Guidance on establishing baseline performance and key warranty management steps.
- Advice on spare parts

This foundation ensures your team is equipped to understand, operate, and maintain the system from day one.

O&M Services

For clients who wish to focus on core operations, Kokosing Solar offers multi-year O&M contracts to maintain optimal system performance, ensure IRA compliance, and manage early lifecycle risks. Our in-house team performs all work locally, bringing both responsiveness and continuity to our service.

The following Operations & Maintenance plans are currently offered by Kokosing Solar.

INCLUDED SERVICE	PREVENTATIVE	COMPREHENSIVE	PERFORMANCE
Annual Inspections	✓	✓	✓
Monitoring Platform	✓	✓	✓
Warranty Management	✓	✓	✓
System Monitoring		Weekly, 5 business day response time	Daily system monitoring
Corrective Travel & Labor Maintenance		Under 10 hours included	Under 20 hours included
Priority Technician Response Time 2 Business Days			✓
Meter Verifications			✓
System Performance Monitoring			✓



APPENDIX A

Resumes



DAVID ZELASKO

Commercial Solar Consultant

EDUCATION

**Bachelor of Business
Administration**

Marketing

Cleveland State University

Cleveland, Ohio

EXPERTISE

David Zelasko brings over a decade of expertise to the renewable energy industry. His journey in solar began as a Solar Installation Technician, and later he transitioned into residential and eventually commercial Solar Consulting, catering to businesses throughout Ohio. Since joining Kokosing Solar in 2015, David has consulted with over 600 individuals, and public and private sector organizations. He has helped clients implement over \$11 million worth of solar projects, aiding clients in achieving their carbon reduction objectives and driving cost savings initiatives.

EXPERIENCE

Commercial Solar Consultant, Kokosing Solar

In his role, David works closely with each client's objectives and challenges, providing answers to their inquiries, and devising solar solutions optimized for their specific needs. With a focus on system performance and custom financial analysis, David ensures that every proposed solution exceeds the client's expectations. He consistently delivers value through a consultative approach characterized by information sharing, guiding clients toward solar energy solutions that align with their business goals.

Columbus Metropolitan Libraries

- » 674 kWdc roof mount arrays across six project sites
- » Worked with the customer to identify branches best suited for solar based on applicable space, roof conditions, utilities, and economic return on investment

Village of Gambier, Waste Water Treatment Plant

- » 69 kWdc roof mount array
- » David helped the customer navigate changes to AEP's interconnection policies for a successful installation and system operation

Scherzinger Drilling

- » 60.5 kWdc roof mount across two project sites
- » Secured USDA REAP grant for solar on behalf of client, lowering project cost by 50%

Assembly Specialty Products, Private Manufacturing Company

- » 309 kWdc roof mount array
- » David helped the customer understand how their electric bills will be impacted by solar and helped identify tax incentives that became available through the Inflation Reduction Act



BJ WOLFGANG, PE

Solar Operations Manager

EDUCATION

Bachelor of Science
Civil Engineer

Ohio Northern University
Ada, Ohio

EXPERTISE

BJ Wolfgang has 15 years of experience in the construction industry, first starting with Kokosing as a co-op and now working as the Solar Operations Manager. BJ has also held positions within Kokosing of Project Manager, Field Engineer, Design Engineer, and Estimator. In his current role. His responsibility is to ensure the successful project execution of all solar projects. He oversees projects throughout the lifecycle - from initial estimate through construction and start-up.

PROFESSIONAL LICENSES

Professional Engineer,
State of Ohio

NABCEP Associate

TRAINING 30-hour OSHA

Crane

Supervisory Training

Trench

Steel Erection

Confined Space Entry

Rigging

Fall Protection

Signaling

EXPERIENCE

9.8 MW Lebanon Municipal-Owned Utility, Lebanon, Ohio

BJ was the Project Manager on Kokosing Solar's Lebanon solar project, playing a crucial role in overcoming the challenge of building within a city floodplain. He began by conducting a detailed floodplain analysis to determine the optimal racking heights for the solar modules across 41 acres of flood-prone land. To address the varying flood risks, BJ devised a color-coded racking system that guided the precise installation of the solar array, ensuring protection from future flooding while maximizing energy production. This innovative approach streamlined the construction process and guaranteed that each section of the array was elevated appropriately. BJ's tailored engineering solutions exemplify Kokosing Solar's commitment to addressing complex project challenges.

863 KW Muskingum University, New Concord, Ohio

BJ was the Project Manager for the Muskingum University solar project. He performed the initial estimate of the project along with design and project coordination throughout construction. Initial design had conduit penetrations through the new roof. BJ coordinated with the client and revised conduit routing which eliminated the need to penetrate the roof. This prevented additional installation work and potential leak exposure.

170KW Kasgro Solar, New Castle, Pennsylvania

BJ was the Project Manager on the construction of the Kasgro Rail Solar project. His involvement was critical to project success by coordinating structural solutions with the engineer and Owner. His diligence also proved critical in identifying a racking component mismatch (an oversight by the engineer) that would have resulted in increased costs and project delays.



WYAT HARMON

Lead Project Engineer

EDUCATION

Electrical Engineering
University of Southern Indiana
Evansville, Indiana

EXPERTISE

Wyat Harmon is a Lead Project Engineer on the Commercial Solar team. With over 3 years of commercial and industrial solar project management experience, Wyatt has a proven track record of delivering complex solar installations on time and under budget. With a hands-on approach and deep technical expertise, he excels at navigating challenges in design, procurement, and field coordination to ensure high-performance systems and satisfied clients. His collaborative style and focus on results make him a trusted partner from project kickoff through final commissioning.

CERTIFICATIONS

ENGINEER IN TRAINING

NABCEP

EXPERIENCE

863 kW Muskingum University

Wyat supported the Project Manager by leading the procurement and layout of electrical materials for the 863.1kWdc rooftop solar array at Muskingum University's Health and Wellness Complex. His strategic sourcing and coordination kept electrical material costs under budget, directly contributing to the project's overall financial efficiency. Wyatt's attention to detail helped maintain design integrity for the unique block "M" layout, meeting both performance and aesthetic goals.

782 Harvard Garage

As part of Cuyahoga County's Aggregated Solar Program, Wyatt played a key role in integrating a complex shunt trip breaker and SEL relay system into the Harvard Garage array. His technical oversight ensured seamless coordination with the facility's existing generator and utility-required protection relay, which was critical for timely commissioning. Wyatt also handled electrical material procurement, contributing to project efficiency and client confidence.

2.3 MW Festo Corporate Campus

Wyat led the project through all phases of EPC delivery for one of Kokosing Solar's largest and most complex rooftop solar arrays to date. He successfully managed vendor coordination, budget reconciliations, and winter weather delays while keeping the installation on track. Wyatt's leadership ensured the delivery of a 2.3 MW system that now provides nearly 50% of the facility's energy needs. His persistence and problem-solving provided Festo with a reliable, cost-saving energy solution that aligns with their global sustainability goals.



JACK HADLEY

Solar Pre-Construction Manager

EDUCATION

Bachelor of Fine Arts

Ohio University
Athens, Ohio

EXPERTISE

Jack has been involved in the solar industry in various roles since 2009. He earned his NABCEP certification in 2013 and has had significant advanced training in solar design, safety, best practices, and NEC compliance. Jack leads the Kokosing team in Engineering and Procurement activities and works closely with the project team during construction and commissioning. He has experience installing and commissioning two BESS projects in Ohio.

CERTIFICATIONS

**Cincinnati State AutoCAD
Certification**

**NABCEP PV Professional
Certification**

EXPERIENCE

Columbus Zoo, AEP Ohio, Delaware, Ohio

Jack played a pivotal role as the PV DC Systems Designer for the Columbus Zoo microgrid project. He conducted the initial site assessment and designed the layout and DC system components to align with the client's offset and production goals. The behind-the-meter solar array, which powers an extensive battery system, was designed to function as a backup generator for the Polar Frontier complex. Jack's collaboration with the AC systems contractor resulted in the production of comprehensive DC systems drawing package drawings. He also provided crucial documentation to subcontractors throughout the permitting and interconnection process, showcasing his effective project management skills.

Athens Water Treatment Plant, AEP Ohio, Athens, Ohio

Jack was the PV DC Systems Designer for the Athens Water Treatment Plant microgrid project. The system is expected to maintain power to the water treatment plant for up to five days in the event of a power outage. Jack was responsible for designing the entire PV system and its integration into the existing electrical infrastructure. Additionally, Jack designed the 250-kW battery energy storage system as an expansion to the existing solar array.

Denison University, Granville, Ohio

Jack performed the initial site assessment and designed the layout and DC system components to meet the client's desired offset and production goals. Jack produced the DC systems drawing package drawings in conjunction with the AC systems contractor for the overall design of the system. The 2.33 MW solar array stretches across seven acres and two sites. The project was designed using single-axis (East-West) trackers and also features a unique pollinator-friendly ground cover.



ANDREW O'DONNELL

Project Development Manager

EDUCATION

Bachelor of Science
Civil Engineering &
Engineering Mechanics
University of Dayton
Dayton, Ohio

EXPERTISE

Andrew is an experienced solar industry leader, fluent in multiple facets of modeling, pricing, design, estimation, procurement, construction, project management, and servicing of grid-tied solar PV and energy storage systems. Throughout his experience, he has overseen the installation of multiple megawatts of residential, commercial, and industrial solar PV generation projects. His skill set includes PV site assessment, client consultation, PV design, NEC and building code, installation, commissioning, project management, system maintenance, and data collection.

CERTIFICATIONS

NABCEP Certified PV
Installation Professional PV-
041214-004426

Certificate in Renewable
Energy Management

30-hour OSHA

EXPERIENCE

2.3 MW Festo USA Corporate Campus

As Estimating and Preconstruction Manager, Andrew led feasibility planning and detailed cost analysis for Festo's rooftop and solar canopy installation, designed to offset 48% of the facility's electricity usage. His early-stage planning ensured the project aligned with Festo's sustainability targets while remaining within budget and schedule constraints. Andrew's work was critical to balancing structural requirements with hybrid mounting system designs and the integration of EV charging infrastructure.

2.5 MW Blackman Solar Garden

Andrew directed preconstruction efforts for the 30-acre Blackman Solar Gardens project, supporting Consumers Energy's community solar program. He developed comprehensive cost estimates and construction plans for a 2.5 MW ground-mounted system, ensuring compliance with industry and utility standards.

675 kW Danbury Wastewater Treatment Plant

Andrew spearheaded the preconstruction phase for this fixed-tilt solar array, producing detailed technical analyses, equipment specifications, and cost modeling that met rigorous standards of utility interconnection, NEC compliance, and local building codes. He accounted for material warranties, voltage loss factors, and wire specifications to ensure long-term system performance. His upfront diligence positioned the project for streamlined approval and efficient construction.

1.5 MW Solvita

In his role, Andrew provided economic analysis and preliminary system design support for this facility. He developed labor, material, and equipment cost estimates. Andrew's strategic planning helped align project goals with Solvita's sustainability vision.



DUSTIN PARR, PE

Electrical Manager

EDUCATION

Bachelor of Science
Engineering

Ohio Northern University
Ada, Ohio

EXPERTISE

Over 18 years of electrical experience in the engineering and construction industry. Dustin has a professional engineering licensure and was the electrical lead on a combined cycle power plant. He has gained experience throughout his entire career at McGraw Kokosing starting in college and as a co-op, then as project engineer and project manager on some of the largest construction projects Kokosing has ever worked on.

CERTIFICATIONS

Registered Professional
Engineer, Ohio

REGISTERED PE

Registered Professional
Engineer in OH, IN, MI PA
MD, WV, KY, MI

**OHIO ELECTRICAL
CONTRACTOR**
License OH.EL 49109

EXPERIENCE

Electrical Group Manager, Kokosing Solar

Dustin is the Lead Solar Electrical Designer and Lead Electrical Estimator for all Solar PV projects. He has been involved in numerous Solar PV projects throughout the region including utility scale projects located in SE Ohio, ground mount, and roof mount projects through Ohio. He brings understanding of regulatory compliance issues and industry best practices. His work has also included a substation expansion project interacting with Duke Energy.

Private Client, Combined Cycle Power Facility, Ohio

Construction of a new 900MW 2x1 combined cycle power plant on a greenfield site. Full construction responsibility with over 2.7 million manhours expended. Project substantially completed in 28 months. Kokosing self-performed over 90% of the work and direct hired all crafts with a peak workforce of over 1,200.

Power Private Client, Coke and Cogeneration Facility, Southwest Ohio

New 100-oven metallurgical coke and 67MW cogeneration power facility on a greenfield site that supplies AK Steel with blast furnace coke and electrical power. Project substantially completed in 18 months. Kokosing self-performed over 1.9 million manhours of the 2.2 million total person-hours. At peak workforce of nearly 900, the talents of nearly 2,300 contributing workers were utilized.

Oil & Gas Private Client, Cryogenic Natural Gas Processing Facility, Southeast Ohio

Fast-track construction management and general contracting services for four, new natural gas processing plants, each with the capacity of 200 million standard cubic feet per day.



PRESTON HARRISON

Lead Superintendent, Solar

EDUCATION

Bachelor of Science
Construction

Bowling Green State University
Bowling Green, Ohio

EXPERTISE

Preston Harrison has been with Kokosing for 15 years and has over 17 years of experience in the construction industry. His recent emphasis has been on solar power projects, with a background in municipal water and wastewater projects. He has experience in purchasing, conflict resolution, and negotiating. Current responsibilities include material delivery scheduling, problem solving, team member coordination and management, safety inspections, and implementation, cost and quantity tracking, and project scheduling.

TRAINING

30-hour OSHA

Confined Space Entry

First Aid/CPR

Scaffold

Viewpoint

Primavera

Trench Safety

Rigging

Fall Protection

Steel Erection

Crane

EXPERIENCE

2.3 MW Festo Corporate Campus

As Lead Solar Superintendent, Preston oversaw construction of the solar array at Festo's manufacturing facility, managing crews and schedules to ensure seamless execution. Worked closely with the client to deliver a system that met operational requirements while maintaining clear communication and responsiveness throughout the project. Adapted construction plans to overcome challenges such as extreme weather, ensuring work stayed on track without compromising quality or safety. Delivered the project on time and within budget, with workmanship and attention to detail praised directly by Festo's Head Plant Manager and Head Indirect Purchasing.

9.8 MW Lebanon Municipal-Owned Utility, Lebanon, Ohio

Directed field crews from early construction through commissioning, ensuring craftsmanship and safety on every aspect of the build. Oversaw foundation installation using a Premier PD10 pile driver with auto-plumb technology and laser-guided systems to achieve precise pile placement on rolling terrain. Implemented and enforced QA/QC procedures, including torque checks, IV curve tracing, megger testing, and voltage validation, to confirm all systems met manufacturer specifications. High standards resulted in praise from third-party solar grazing contractors for the site's pristine quality and meticulous attention to detail.

2.1 MW Athens East Solar, Athens, Ohio

As Lead Superintendent, Preston worked directly with the Construction Project Manager to successfully lead and execute the 2.1 MW Athens East Solar project, which spans three project sites. In his role, Preston oversaw all aspects of the project onsite. His responsibilities included training, leading daily morning and safety meetings with the entire crew and managing costs using various software programs.



TYLER RICE

Startup and Commissioning Superintendent

EXPERTISE

Tyler has been involved in the solar industry in a variety of roles since 2015. In his current role, Tyler manages large scale commercial projects from inception through installation and commissioning. Tyler brings a wealth of experience to the table, particularly in the field of utility-grade solar energy facilities. As a former Construction Foreman Tyler managed planning, material ordering, personnel, equipment tracking, and day-to-day activities related to solar energy projects. His expertise extends to underground cabling, pile and racking installation, and project commissioning.

CERTIFICATIONS

Human Performance
Improvement

Construction Storm Water
Mitigation

NFPA 70e

OSHA 30

Staubli Mc4 Certified

EXPERIENCE

Construction Foreman, Vaughn Industries, LLC

- » Responsible for planning, material ordering, personnel management, and equipment tracking.
- » Overseeing day-to-day activities on utility-grade solar energy facilities.
- » Successfully completed various project scopes, including underground cabling, pile and racking installation, as-built drawing markup, and project commissioning.

27 MW Solar Project, Lockbourne, OH

Tyler served as the Electrical Superintendent on this project, overseeing a crew of 35 employees. His responsibilities included managing all aspects of the underground work, concrete foundations for switchgears and transformers, and completing both DC and AC scopes, communication, and testing. Tyler provided daily job updates to the General Contractor (GC) and the onsite owner's representative. Additionally, he trained 10 new apprentices on best practices for electrical installation in a utility-scale photovoltaic (PV) array.

6 MW Rooftop Solar Project, Pittsburgh, PA

Tyler served as the General Superintendent on this project. His responsibilities included training new employees on best practices, ordering materials, planning crews, and establishing lookaheads. Tyler maintained constant communication with the facility owners and handled quality reporting. He collaborated with the CAD/virtual design department to create a unique waterfall system to route AC feeders from the roof to existing external ground-mounted switchgears. This system featured a cable tray running down the side of the building, 12 runs of 4" rigid steel conduit from the cable tray into a custom-designed support structure, and into the switchgear. Additionally, it included 8 sets of 4" rigid steel conduit runs from the switchgear into a junction box mounted on the facility wall, with 8 core-drilled holes into the electrical room. This intricate and time-consuming process required precise design and execution, as there was only one opportunity to get it right.



ROBERTA WASHBURN

Director of Solar Operations

EDUCATION

Bachelors of Science
Human Resources
Franklin University

Associates
Business
Hocking College

EXPERTISE

Roberta Washburn is a seasoned professional with a robust business operations and human resources background. She has been in the solar industry for over five years and brings strategic planning expertise. Her experience includes leadership roles as Chief Operating Officer for Third Sun Solar and now as Director of Solar Operations, overseeing the Solar Division, and is responsible for P&L, mentoring teams, and coordinating safety measures. Her adeptness at project management, safety protocols, and operational efficiency underscores her ability to drive success in large commercial solar installation environments.

PROFESSIONAL ASSOCIATIONS

Amicus Board Member 2020
- present

Chair of Amicus Solar Co-Op
HR Committee

Advisor to Amicus Solar O&M

Women Ideas and Strategies
Exchange Mentor

Accelerated Development
Professional

Safety Training for
Supervisors

Safety 24/7 Leader

EXPERIENCE

Director of Solar Operations, Kokosing Solar

Roberta has served as Solar Operations Manager and now Director of Solar Operations for Kokosing Solar. As Director of Solar Operations, she is responsible for Kokosing Industrial's Solar and Renewable Energy EPC Business.

Third Sun Solar, Kokosing Aquisition

As Chief Operating Officer, Roberta was a key Third Sun Solar leadership team member when the owners sold the company to Kokosing Industrial in 2022. She oversaw internal and external communications, business process changes, and team integrations for a seamless transition to new ownership for the company.

City of Athens Solar Project, Ohio

Participated in the initial development and layout of the project. Currently overtaking oversight of the O&M team to perform annual maintenance.

Cuyahoga County Solar Project, Ohio

Roberta was the Project Executive at the Cuyahoga County Solar Project, with primary responsibilities consisting of leading a team of Project Managers and Solar Technicians to ensure proper execution, safety, and timeline for the project, spanning four installation sites. She also developed and oversaw the execution of O&M contracts during job completion.

Private Client, Solar Projects

Roberta was the Project Executive for two solar installation projects for a private client in Toledo, Ohio, and Hebron, KY, totaling 2.4 MWDC combined. In her role, Roberta led the Project Management team, coordinating with subcontractors, the site owner, and the client to deliver the projects on time and successfully.



GEOFF GREENFIELD

Director of Solar Strategy

EDUCATION

Bachelor of Arts

Political Science

Miami University

Oxford, Ohio

Master of Arts

International Affairs

Ohio University

Athens, Ohio

EXPERTISE

Geoff has been designing and installing renewable energy systems since 1997 and co-founded Third Sun Solar (now part of Kokosing) in 2000. He is a recognized leading authority within Ohio's Solar Energy sector, as well as nationally. Geoff is the Vice Chairman on the NABCEP Board of Directors and has the team's expertise in the financial incentives available for Solar. Geoff closely monitors updates from the U.S. Department of Treasury to advise clients on incentives available for Investment Tax Credits, Solar Renewable Energy Certificates and overall project development and finance details.

PROFESSIONAL ASSOCIATIONS

North American Board of
Certified Energy Practitioners
(NABCEP), Board of
Directors, 2012 - present

NABCEP PV-JTA Review
Committee, 2011 - present

SOLARTECH Board of
Directors, 2012 - present

NABCEP certificate holder,
inaugural class, 2003

CERTIFICATIONS

Ohio University Executive
Leadership Institute

National Development
Council

Housing Development
Finance Professional

Ohio C.D.C Association

Basic Skills in Affordable
Housing Development

EXPERIENCE

Director of Solar Strategy, Kokosing Solar

Provides direction, analysis, oversight and guidance to the Commercial Solar, Residential Solar and Solar O&M Services sectors of Kokosing's Solar.

Third Sun Solar, Athens, OH, Owner/ CEO

Founder of a full service renewable energy company providing consulting, design, sales, installation, and maintenance services. Geoff founded Third Sun Solar in 2000. He also founded New Resource Solutions, a solar financing software company that accelerates transactions while reducing cost. He is a member-owner, founder and former board member of the Amicus Solar Cooperative, a \$750 million member-owned procurement group of values-driven solar installation companies.

In 2003 Greenfield became a NABCEP Certified PV Installation Professional and has served on the NABCEP Board of Directors since 2012.

Denison University Campus

- » 2.33 MWdc ground mount

Assurant Corporate Campus

- » 1.8 MWdc ballasted roof mount and carport arrays

Private Client

- » 2.4 MWdc ballasted roof mount arrays

Kent State University

- » In aggregate, over 1636 kW of solar installed across 4 Kent State University-owned facilities



BRADY PHILLIPS, PE

Vice President

EDUCATION

Bachelor of Science,
Civil Engineering,
Construction Specialization

The Ohio State University
Columbus, Ohio

EXPERTISE

Brady Phillips has over 23 years of experience in the construction industry. Through his varied roles as a discipline estimator, lead estimator, project engineer, project manager, department manager, and business group leader, Brady has extensive experience in all phases of the construction process. As Vice President of Kokosing's Private Industrial Group, he is responsible for leading the Private Industrial Market.

CERTIFICATIONS

Professional Engineer, State
of Ohio

NABCEP Associate

Kokosing Accelerated
Leadership Program

Kokosing Accelerated
Development Program

Lean Target Value Delivery

Dale Carnegie Conflict
Resolution

Primavera Expedition and P6

30 hour OSHA

First Aid/CPR

OWL Operate With Leadership

EXPERIENCE

Director of Solar Operations, Kokosing Solar

Group leader with responsibility for 40+ employees within Kokosing's Solar group. His responsibilities include Commercial Solar EPC, Residential Solar EPC, and Solar O&M Services.

Cuyahoga County Harvard Maintenance Garage

- » 781.5 kWdc roof mount
- » Customer: AEP On-Site Partners

Cover My Meds Columbus Headquarters

- » 431 kWdc vertical curtain wall and carport
- » Customer: Turner Construction Company

Muskingum University, Bullock Fieldhouse

- » 875 kWdc roof mount
- » Customer: McCalmont Corporation

Heavy Industrial Pre-Construction Group, Kokosing Industrial

Project Executive and Department Manager, with primary responsibilities consisting of leading a team of pre-construction focused professionals in the development of project opportunities in the private client Heavy Industrial sector. Well versed and experienced in the use of numerous project delivery methodologies including EPC, design-build, CMAR and design-bid-build.

Central Engineering Group, Kokosing Industrial

Department Manager, with primary responsibilities consisting of purchasing, contracts administration, project costing support, submittals, scheduling, BIM, mechanical detailing, and design engineering. Provide centralized engineering support to all Kokosing Industrial projects.



APPENDIX B

Reference Projects

Festo USA Corporate Campus Mason, Ohio

Project Overview

Festo Corporation, a global leader in industrial automation and training systems, selected Kokosing Solar to implement a large-scale solar energy installation. Scheduled for completion in 2025, this project features a state-of-the-art rooftop solar array that will supply 48% of the facility's electricity needs—equivalent to 2.6 million kilowatt hours (kWh) annually. This initiative reflects Festo's corporate commitment to sustainability and aligns with its goal to generate 25% of its global electricity from solar power by 2030.

Project Scope & Technical Approach

This project utilizes a hybrid mounting system that combines ballast blocks with mechanical attachments to meet roof loading requirements while ensuring structural integrity. Additional components of the project include:

- Electric Vehicle (EV) Charging Stations: Expanding sustainability efforts by supporting cleaner transportation options for employees and visitors.
- Solar Canopy Shade Structures: Enhancing parking areas while further increasing solar energy generation capacity.

Economic and Environmental Benefits

- Grid Contribution: Every kilowatt-hour of electricity generated by Festo's solar array will add clean energy to the local Duke Energy grid, benefiting Ohio consumers and businesses.
- CO2 Reduction: The project will reduce carbon emissions by 1,841 metric tons annually—equivalent to the carbon sequestration of a 2,000-acre forest.
- Lower Energy Costs & Grid Reliability: By generating nearly half of its own electricity on-site, Festo will reduce operational energy expenses while also decreasing stress on the regional power grid.



"Our clean energy investment at the Mason facility is a key step toward meeting Festo's long-term sustainability objectives. Kokosing Solar's expertise in large-scale solar installations made them the ideal partner to bring this vision to life."

- Jose Luis Esparza, Head of Non-Production Material Procurement for Festo North America.

Location: Springfield, Ohio
System Size: 2.3 MW
Completed: 2025

City of Athens, Ohio East Side Solar Project

Project Overview

After a public bidding process, Kokosing Solar was selected as the Design-Build, EPC, and Equity Partner for the City of Athens East Side Solar Project. This project includes a rooftop array on the City of Athens Community Center, solar canopy shade structures at the city pool, and a large ground mount solar array, which powers the adjacent wastewater treatment plant. Between the various solar sites, the project totals 2.123 MW DC. Kokosing Solar completed the project in 2023.

Kokosing Solar self-performed the full scope of construction. Additionally, the union workforce for DC and AC construction meets the prevailing wage and apprenticeship requirements of the Inflation Reduction Act, fully maximizing the project's federal tax benefits.

Oak Tree Equity, an affiliated entity to the Kokosing group of companies, was selected by Kokosing Solar as the finance partner for The City of Athens East Side Solar Project. Oak Tree Equity will finance the project through a Power Purchase Agreement (PPA).

The project is estimated to offset more than 1,800 metric tons of CO2 annually. The total electricity offset is estimated to be more than 60% of the total power consumption of each separate building. The Waste Water Plant, for example, has an average electricity bill of over \$30,000 a month, so the addition of solar will bring the traditional power consumption down considerably.

Kokosing Solar was selected based on our unique positioning as an EPC with over 20 years of solar experience, our construction strength as one of the largest family-owned construction companies in Ohio, our self-performance capabilities, our ability to meet workforce requirements to maximize tax benefits, and our ability to streamline financing with Oak Tree Equity.

Location: Athens, Ohio
System Size: 2.123 MW DC
Completed: 2023



City of Lebanon, Ohio - Municipal-Owned Utility Solar Project

Project Overview

After a public bidding process, Kokosing Solar was selected as the Design-Build and EPC Partner for the City of Lebanon Solar Project. In a unanimous vote, the City Council approved the \$13.4M solar project largely due to the long-term financial benefits to its ratepayers. Lebanon is the seventh largest municipal-owned utility in Ohio.

Over the solar system's lifespan, it is projected to save the City and its utility customers over \$27M, will help the City diversify its sources of electricity, and will serve as an attractive showpiece for the community. The projected cost of the solar arrays will be reduced by about 30% through the federal Investment Tax Credit direct-pay program.

This project includes ground mount arrays across three city-owned properties, spanning a combined total of 41 acres of undevelopable city-owned land. Kokosing Solar broke ground in April 2024 and completed the project by the end of 2024. Kokosing Solar self-performed the full scope of construction.

The project award capped a long selection process that began in January 2023. Kokosing Solar was selected as the best-value RFQ respondent to complete a project feasibility study for the City to demonstrate the technical and financial viability of the project. The study was delivered to the City's satisfaction in late May, culminating in the successful award of the EPC contract.

Location: Lebanon, Ohio
System Size: 9.821 MW DC
Expected completion: 2024



City of Lebanon, Ohio - Municipal-Owned Utility Solar Project, Cont.

One of the more complex challenges faced during the Lebanon solar project was the need to construct the solar array within a city floodplain. With 41 acres of city-owned land available, much of which is situated in the floodplain, the project required innovative engineering solutions to ensure the long-term operational efficiency of the solar installation.

Floodplain Analysis

Kokosing Solar's engineering team conducted a thorough floodplain analysis as the first step in addressing this challenge. The goal was to determine the maximum floodplain elevation at each array location and compare that to the existing ground elevation. Understanding the difference between these two elevations allowed us to design the racking system so that installation technicians would install all solar modules above this max flood elevation. Doing so protects the financial assets while also maximizing energy production within the flood plain.

Color-Coded Racking System

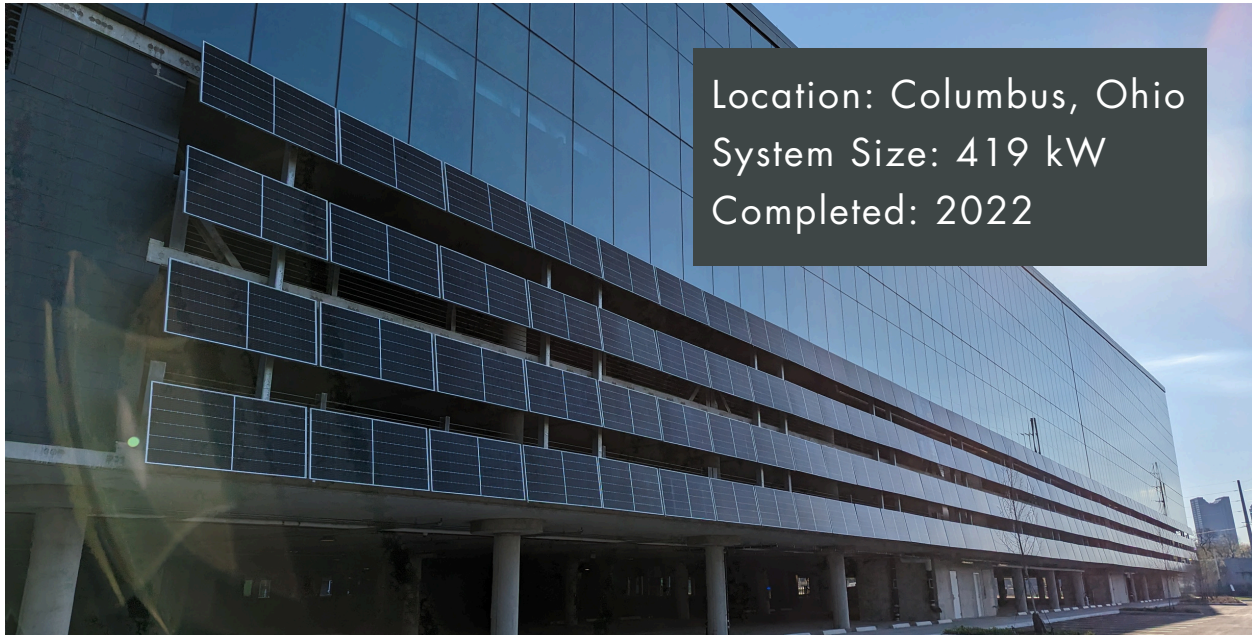
Building on the floodplain analysis, the engineering team worked with the racking manufacturer to create a color-coded drawing to map the different pile heights needed across each site. This meticulous approach allowed for precise installation of the pile, ensuring that the solar array was elevated according to the flood risk at each contour location. The color coding not only streamlined the construction process but also ensured that the solar array would be above max floodplain elevation.

Innovation in Action

Kokosing Solar's innovative approach to floodplain construction highlights the company's commitment to delivering customized, effective solutions for complex projects. By tailoring the design and installation to the unique challenges of the Lebanon site, Kokosing Solar is ensuring that the municipal solar array will provide reliable, sustainable energy for decades to come.



Private Client



Project Overview

When a healthcare software company in central Ohio sought to construct a custom carport and vertical wall solar installation, they selected Kokosing Solar for our experience with custom builds and solar carport installations. This solar installation was designed and built by our team and delivered on time and on budget.

Permitting and interconnection experience: The permitting for this project was complex and included working with the City of Columbus and EMH&T Site Engineers. The permitting process included water, sewer, fire, and electrical permitting. Due to zoning rules in the City of Columbus, for every 10 parking spaces, permitting required that 1 tree be planted. Kokosing Solar worked with partners to deliver on this aspect of permitting the project. Interconnection was conducted through AEP with special testing of the Delta transformers.



Assurant Corporate Campus

Project Overview

When Assurant, Inc. (premier provider of specialty insurance), sought to construct their first solar project they conducted a nationwide search, then selected Kokosing Solar for our expertise in both solar project development and construction. The result of our collaboration was a 1.8 MW Kokosing Solar project structured as a PPA. This complex \$5M roof and parking canopy project was designed and built by our team and delivered on time and on budget. Project complexities included locating and passing significant below-ground obstructions using direct boring equipment as well as safely building on an active corporate campus, including the fully utilized parking lot of a three shift data center.

Project Financing: Structured as a 25 year PPA. Kokosing Solar selected a project finance partner (Tangent) to own and operate the project using their investors' capital.

Legal and tax structure: Wholly owned by a special purpose entity (LLC), with all tax benefits, including depreciation flowing to equity holders directly.

Power Purchase Agreements and contracts: 25 year PPA and site lease between Assurant and Tangent. EPC construction contract between Tangent and Kokosing Solar. Repair, maintenance and servicing contracts: Operations and maintenance agreement between Tangent and Kokosing Solar.



Location: Springfield, Ohio
System Size: 1.8 MW
Completed: 2022



APPENDIX C

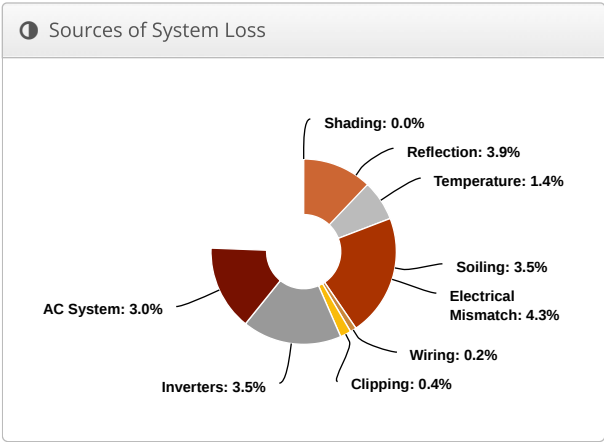
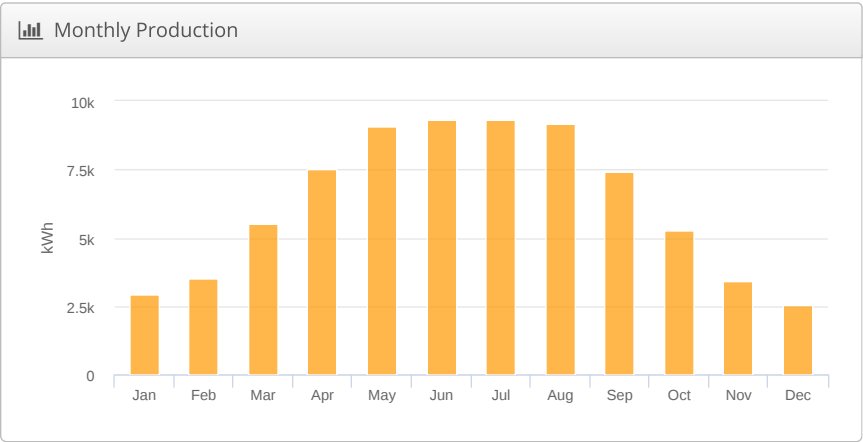
PV Design

CPT 580s City of Bexley - Police Department, 559 N Cassingham Rd, Bexley, OH 43209

Report	
Project Name	City of Bexley - Police Department
Project Address	559 N Cassingham Rd, Bexley, OH 43209
Prepared By	David Zelasko david.zelasko@kokosing.biz

System Metrics	
Design	CPT 580s
Module DC Nameplate	59.16 kW
Inverter AC Nameplate	50.00 kW Load Ratio: 1.18
Annual Production	74.99 MWh
Performance Ratio	86.1%
kWh/kWp	1,267.5
Weather Dataset	TMY, 10km grid (39.95,-82.95), NREL (prospector)
Simulator Version	68034364bf-a0135c5470-972ff57921-bdb00e3c98

Project Location



⚡ Annual Production			
	Description	Output	% Delta
Irradiance (kWh/m²)	Annual Global Horizontal Irradiance	1,415.9	
	POA Irradiance	1,471.5	3.9%
	Shaded Irradiance	1,471.5	0.0%
	Irradiance after Reflection	1,414.5	-3.9%
	Irradiance after Soiling	1,364.8	-3.5%
	Total Collector Irradiance	1,364.8	0.0%
Energy (kWh)	Nameplate	81,441.2	
	Output at Irradiance Levels	85,462.0	4.9%
	Output at Cell Temperature Derate	84,239.0	-1.4%
	Output after Electrical Mismatch	80,605.9	-4.3%
	Optimal DC Output	80,430.8	-0.2%
	Constrained DC Output	80,120.3	-0.4%
	Inverter Output	77,305.6	-3.5%
	Energy to Grid	74,986.5	-3.0%
Temperature Metrics			
Avg. Operating Ambient Temp		12.9 °C	
Avg. Operating Cell Temp		19.8 °C	
Simulation Metrics			
Operating Hours		4646	
Solved Hours		4646	

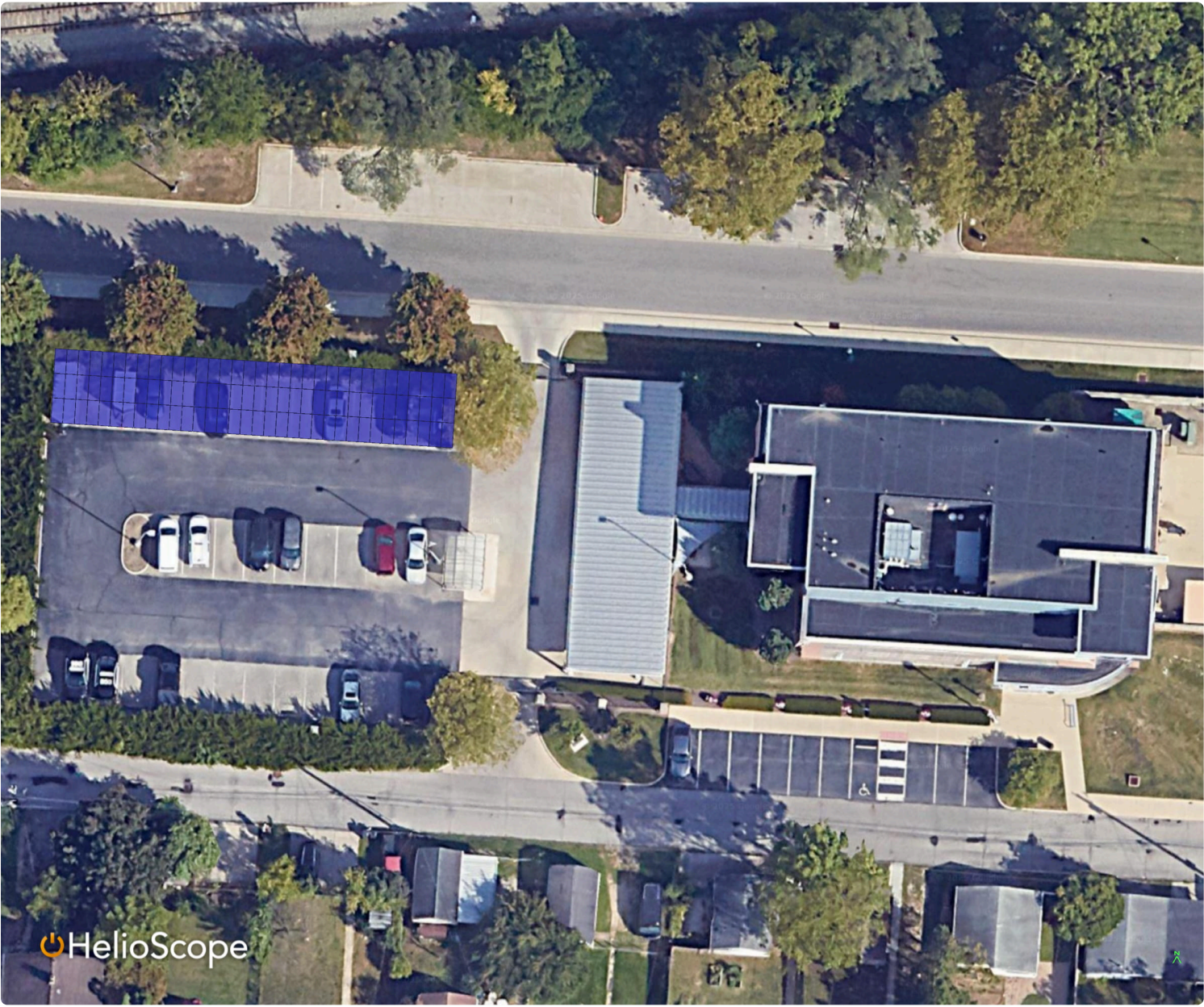
☁ Condition Set												
Description	Condition Set 1											
Weather Dataset	TMY, 10km grid (39.95,-82.95), NREL (prospector)											
Solar Angle Location	Meteo Lat/Lng											
Transposition Model	Perez Model											
Temperature Model	Sandia Model											
Temperature Model Parameters	Rack Type			a		b		Temperature Delta				
	Fixed Tilt			-3.56		-0.075		3°C				
	Flush Mount			-2.81		-0.0455		0°C				
	East-West			-3.56		-0.075		3°C				
	Carport			-3.56		-0.075		3°C				
Soiling (%)	J	F	M	A	M	J	J	A	S	O	N	D
	17.1	15	8.8	1.5	1	1	1	1	1	1	2.5	12.2
Irradiation Variance	5%											
Cell Temperature Spread	4° C											
Module Binning Range	0% to 1.5%											
AC System Derate	3.00%											
Trackers	Maximum Angle						Backtracking					
	0°						Disabled					
Module & Component Characterizations	Type	Component						Characterization				
	Module	Q.PEAK XL-G10.3 BFG 580 (QCells)						Spec Sheet Characterization, PAN				
	Inverter	CPS SCA25KTL-DO/US-208 (2020) (CPS)						Spec Sheet				

Components		
Component	Name	Count
Inverters	CPS SCA25KTL-DO/US-208 (2020) (CPS)	2 (50.00 kW)
Strings	10 AWG (Copper)	8 (844.3 ft)
Module	QCells, Q.PEAK XL-G10.3 BFG 580 (580W)	102 (59.16 kW)

Wiring Zones			
Description	Combiner Poles	String Size	Stringing Strategy
Wiring Zone	-	10-16	Along Racking

Field Segments									
Description	Racking	Orientation	Tilt	Azimuth	Intrarow Spacing	Frame Size	Frames	Modules	Power
Field Segment 2	Carport	Portrait (Vertical)	5°	183.59671°	0.0 ft	1x1	102	102	59.16 kW

Detailed Layout2





APPENDIX D

Product Data Sheets

**25 YEAR
WARRANTY**

SOLAR CARPORT CANOPIES

- EASY & EFFICIENT INSTALLATION

UTILITY SCALE SOLAR CARPORTS WITH REDUCED COMPONENTS AND MINIMAL INSTALLATION TIME. OVER 75.0 MW OF SOLAR CARPORTS DEPLOYED & A 25 YEAR WARRANTY ENSURE THE LIFETIME OF YOUR ARRAY.



THE FEATURES OF OUR SOLAR CARPORTS

BOLTED FOUNDATION FOR EASY INSTALLATION. UL 2703 & 467 GROUNDING WASHERS WITH BOLT THROUGH PANEL ATTACHMENT. UNIVERSAL PANEL ADAPTATION, MOUNTING BRACKETS WORK WITH ANY MODULE IN THE INDUSTRY. HIGH WIND AND SNOWLOADS DESIGNS AVAILABLE

CALL FOR IMMEDIATE ESTIMATES & LAYOUT DESIGN ASSISTANCE FROM OUR PROFESSIONAL SALES TEAM.

100% USA

MADE & MANUFACTURED



SOLAR MOUNTS LLC



1-844-757-7225

WWW.SOLARMOUNTS.COM

300 WOOLLEY DRIVE | MARSHALL | MI 49068

INFO@SOLARMOUNTS.COM

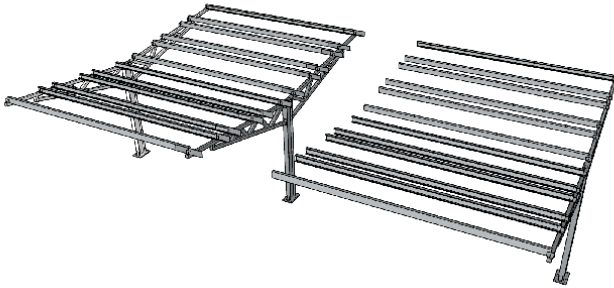
25 YEAR
WARRANTY

TECHNICAL INFORMATION

FEATURES AND BENEFITS

START SECTION

ADD SECTION



- 4 COMPONENTS & MINIMAL HARDWARE
- PRE WELDED TILT ANGLE IN TRUSS
- UL 467 & 2703 GROUNDING WASHER CONNECTION
- ADJUSTABLE PANEL BRACKETS FOR ANY MODULE
- MINIMAL LEAD TIMES ON MANUFACTURING
- PE STAMPED DRAWING PROVIDED
- ACCOMODATES DIFFICULT TERRAIN

TECHNICAL CHARACTERISTICS

APPLICATION	PARKING LOT, WALKWAY, ENTRANCE
FOUNDATION	CONCRETE PIER OR SPREAD FOOTER
MODULES ORIENTATION	PORTRAIT - 3 TO 8 HIGH, 8 ACCROSS (64 PANELS/ SECTION MAX)
MODULE COMPATIBILITY	ALL BRANDS - 60, 72, 96 & 144 CELL
TILT ANGLES	7° STANDARD 3° & 5° OPTIONS
GROUND CLEARANCE	14' STANDARD
GRADE OF TERRAIN	EW 30° NS 30°
WIND LOAD	UP TO 170 MPH
SNOW LOAD	UP TO 80 PSF
PURLIN LENGTH	27" - 36" SPANS
MATERIAL COMPOSITION	GALVANIZED STEEL G-90 POST, TRUSS & PURLINS
OPTIONS	GUTTERS & DOWNSPOUTS, SNOW GUARDS, PAINT, LED LIGHTNG & MORE
MANUFACTURING	MADE IN USA. STEEL CERTIFICATIONS.



1.7 MW - MICKLETON
NEW JERSEY



1.1 MW - HORSHAM
PENNSYLVANIA



1 MW - WASHINGTON
DISTRICT OF COLUMBIA



1.2 MW - EAST WINDSOR
CONNECTICUT



560 kW - SOMERDALE
NEW JERSEY



600 kW - VINELAND
NEW JERSEY



1-844-757-7225

WWW.SOLARMOUNTS.COM

300 WOOLLEY DRIVE | MARSHALL | MI 49068

INFO@SOLARMOUNTS.COM

25 YEAR
WARRANTY

TECHNICAL DRAWINGS



Post

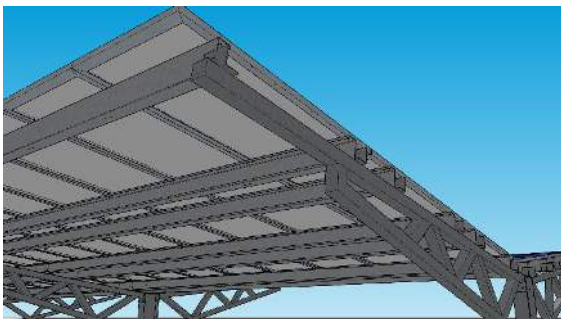
HOT DIP GALVINIZED
AVAILABLE IN OTHER FINISHES.

TRUSS

HOT DIP FINISH WITH PURLIN
MOUNTING HOLES AND SLOTTED
FOR $\pm 1"$ OF TOLERANCE.

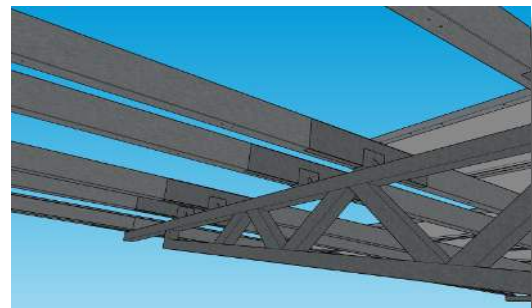
PURLIN

SYSTEM MOUNTS 8 PANELS WIDE
64 PANELS PER SECTION. 12
GAUGE G90-G140 STEEL.



BOLTED PANEL CONNECTION

PANEL BRACKETS ALLOW PURLINS
TO BOLT TO ANY SIZE MODULE,
INDUSTRY WIDE.



L-PLATE PURLIN CONNECTION

40" L-PLATE PURLIN CONNECTION OVER
THE TRUSS ENSURES LIFE LONG PURLIN
CONNECTION.



1-844-757-7225

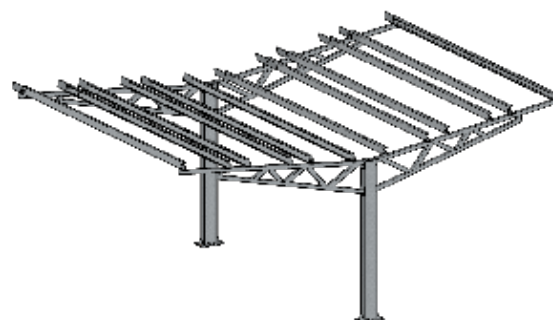
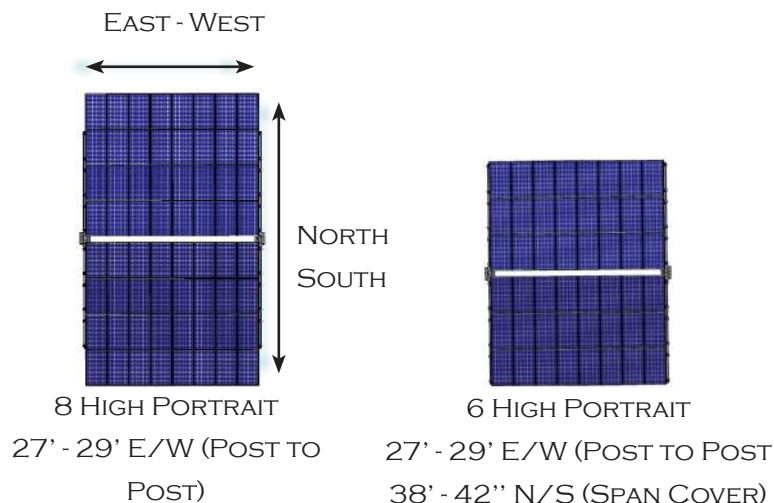
WWW.SOLARMOUNTS.COM

300 WOOLLEY DRIVE | MARSHALL | MI 49068

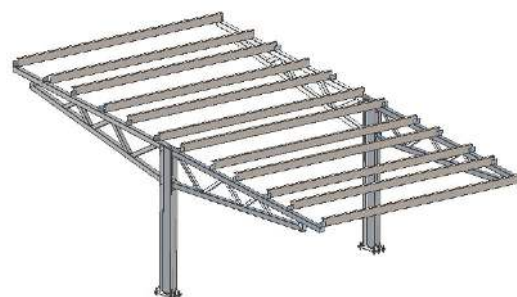
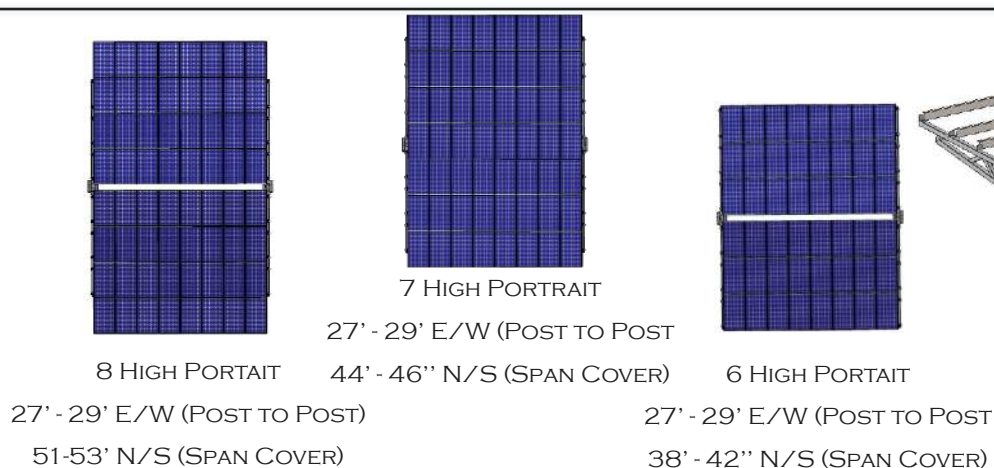
INFO@SOLARMOUNTS.COM

LAYOUT CONFIGURATION

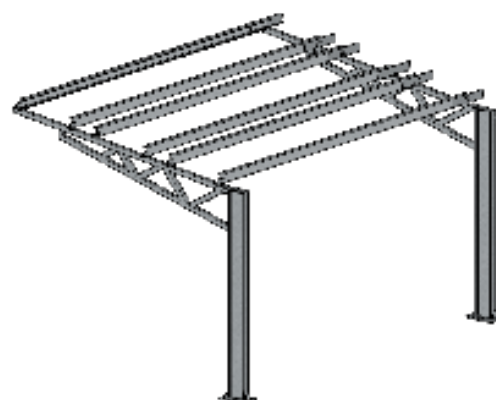
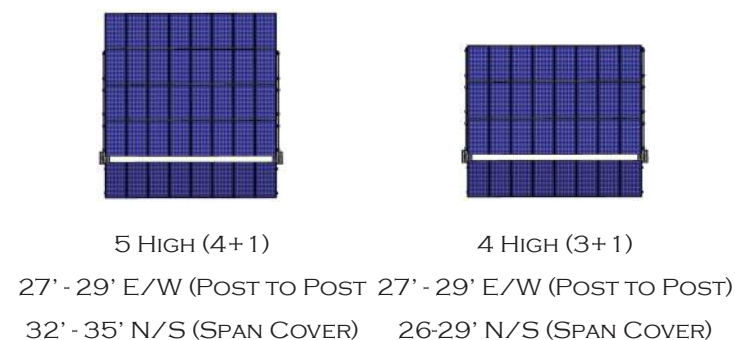
25 YEAR
WARRANTY



Y FRAME



T FRAME



L FRAME



1-844-757-7225

WWW.SOLARMOUNTS.COM

300 WOOLLEY DRIVE | MARSHALL | MI 49068

INFO@SOLARMOUNTS.COM

25kW 208V, 1000Vdc String Inverters for North America

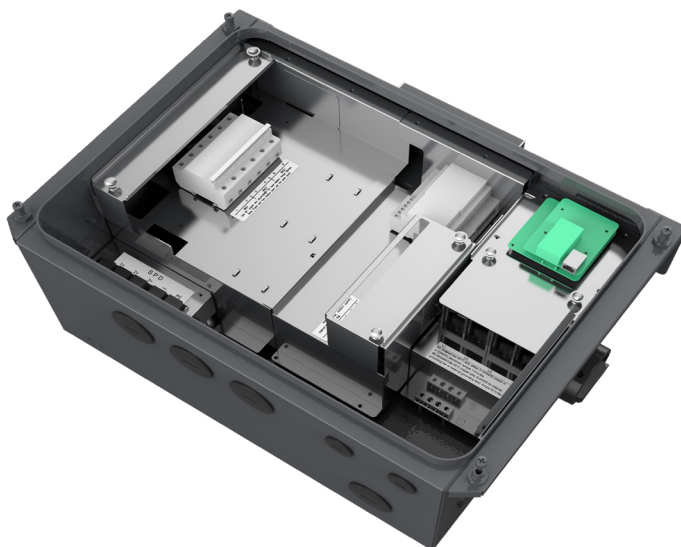
The 25kW (25kVA) CPS three phase string inverters are designed for rooftop and carport applications. The units are high performance, advanced and reliable inverters designed specifically for the North American environment and grid. High efficiency at 97.0% peak and 96.5% CEC, wide operating voltages, broad temperature ranges and a NEMA Type 4X enclosure enable this inverter platform to operate at high performance across many applications. The CPS 25KTL product ships with the Rapid Shutdown wire-box, fully integrated and separable with touch safe fusing, monitoring, and AC and DC disconnect switches. The integrated PLC transmitter in the Rapid Shutdown wire-box enables PVRSS certified module-level rapid shutdown when used with the Tigo TS4-A-F/TS4-A-2F products and APS RSD-S-PLC/RSD-D products. The CPS FlexOM Gateway enables monitoring, controls and remote product upgrades.



CPS SCA25KTL-DO/US-208

Key Features

- NEC 2017/2020 PVRSS Certified Rapid Shutdown
- NEC 2017 compliant & UL listed Arc-Fault circuit protection
- 15-90° Mounting orientation for low profile roof installs
- Optional FlexOM Gateway enables remote FW upgrades
- Integrated AC & DC disconnect switches
- 3 MPPT's with 2 inputs each for maximum flexibility
- Copper and Aluminum compatible AC connections
- NEMA Type 4X outdoor rated, tough tested enclosure
- UL1741 SA Certified to CA Rule 21, including SA14 FW and SA15 VW
- Separable wire-box design for fast service
- Standard 10 year warranty with extensions to 20 years
- Generous 1.8 DC/AC Inverter Load Ratio



SCA25KTL (208V) Rapid Shutdown Wire-box

Model Name	CPS SCA25KTL-DO/US-208
DC Input	
Max. PV Power	45kW (17kW per MPPT)
Max. DC Input Voltage	1000Vdc
Operating DC Input Voltage Range	200-950Vdc
Start-up DC Input Voltage / Power	330V / 80W
Number of MPP Trackers	3
MPPT Voltage Range @ PF>0.99	480-850Vdc
Max. PV Short-Circuit Current (Isc x 1.25)	135A (45A per MPPT)
Number of DC Inputs	6 inputs, 2 per MPPT
DC Disconnection Type	Load-rated DC switch
DC Surge Protection	Type II MOV, 2800V _C , 20kA I _{TM} (8/20μS)
AC Output	
Rated AC Output Power @ PF>0.99	25kW
Max. AC Apparent Power (Selectable)	25kVA
Rated Output Voltage	208Vac
Output Voltage Range ¹	183 - 228Vac
Grid Connection Type	3Φ / PE / N (Neutral optional)
Max. AC Output Current @208Vac	69.5A
Rated Output Frequency	60Hz
Output Frequency Range ¹	57 - 63Hz
Power Factor	>0.99 (±0.8 adjustable)
Current THD @ Rated Load	<3%
Max. Fault Current Contribution (1 Cycle RMS)	64.1A (0.92 PU)
Max. OCPD Rating	125A
AC Disconnection Type	Load-break rated AC switch
AC Surge Protection	Type II MOV, 1240V _C , 15kA I _{TM} (8/20μS)
System and Performance	
Topology	Transformerless
Max. Efficiency	97.0%
CEC Efficiency	96.5%
Stand-by / Night Consumption	<3W
Environment	
Enclosure Protection Degree	NEMA Type 4X
Cooling Method	Variable speed cooling fans
Operating Temperature Range ²	-22°F to +140°F / - 30°C to +60°C
Non-Operating Temperature Range ³	No low temp minimum to +158°F / +70°C maximum
Operating Humidity	0 to 100%
Operating Altitude	13,123.4ft / 4000m (derating from 9842.5ft / 3000m)
Audible Noise	<60dBA @ 1m and 25°C
Display and Communication	
User Interface and Display	LCD+LED
Inverter Monitoring	SunSpec, Modbus RS485
Site Level Monitoring	CPS FlexOM Gateway (1 per 32 inverters)
Modbus Data Mapping	CPS
Remote Diagnostics / FW Upgrade Functions	Standard / (with FlexOM Gateway)
Mechanical	
Dimensions (HxWxD)	39.4 x 23.6 x 10.24in. (1000 x 600 x 260mm)
Weight	Inverter: 123.5lbs/56kg; Wire-box: 33lbs/15kg
Mounting / Installation Angle ⁴	15 to 90 degrees from horizontal (vertical or angled)
AC Termination	M8 Stud Type Terminal Block (Wire range: #6 - 3/0AWG CU/AL, Lugs not supplied)
DC Termination ⁵	Screw Clamp, Neg. Busbar ⁵ Wire range: #14 - #6AWG CU
Fused String Inputs (2 per MPPT) ⁶	20A fuses provided (Fuse values up to 30A acceptable)
Safety	
Certifications and Standards	UL1741-SA Ed. 2, UL1699B, UL1998, CSA-C22.2 NO.107.1-01, IEEE1547, FCC PART15
Selectable Grid Standard	IEEE 1547a2014, CA Rule 21, ISO-NE, HECO
Smart-Grid Features	Volt-RideThru, Freq-RideThru, Ramp-Rate, Specified-PF, Volt-VAR, Freq-Watt, Volt-Watt
Warranty	
Standard	10 years
Extended Terms	15 and 20 years

1) The "Output Voltage Range" and "Output Frequency Range" may differ according to the specific grid standard.

2) Active Power Derating begins; at 45°C when PF=1 and MPPT ≥V_{min}, and at 50°C when PF=1 and MPPT V ≥ 700Vdc.

3) See user manual for further requirements regarding non-operating conditions.

4) Shade Cover accessory required for installation angles of 75 degrees or less.

5) RSD wire-box only includes fuses/fuseholders on the positive polarity, compliant with NEC 2017, 690.9 (C).

6) Fuse values above 20A have additional spacing requirements or require the use of the Y-Comb Terminal Block. See user manual for details.

Q.PEAK DUO XL-G11 SERIES



570 - 585 Wp | 156 Cells
21.4 % Maximum Module Efficiency

MODEL Q.PEAK DUO XL-G11.3/BFG



Bifacial energy yield gain of up to 20 %

Bifacial Q.ANTUM solar cells make efficient use of light shining on the module rear-side for radically improved LCOE.



Low electricity generation costs

Q.ANTUM DUO Z combines cutting edge cell separation and innovative wiring with Q.ANTUM Technology for higher yield per surface area, lower BOS costs, higher power classes, and an efficiency rate of up to 21.4 %.



A reliable investment

Double glass module design enables extended lifetime with 12-year product warranty and improved 30-year performance warranty¹.



Enduring high performance

Long-term yield security with Anti LeTID and Anti PID Technology², Hot-Spot Protect.



Frame for versatile mounting options

High-tech aluminum alloy frame protects from damage, enables use of a wide range of mounting structures and is certified regarding IEC for high snow (5400 Pa) and wind loads (2400 Pa).



Innovative all-weather technology

Optimal yields, whatever the weather with excellent low-light and temperature behavior.

¹ See data sheet on rear for further information.

² APT test conditions according to IEC/TS 62804-1:2015 method B (-1500 V, 168 h) including post treatment according to IEC 61215-1-1 Ed. 2.0 (CD)

The ideal solution for:



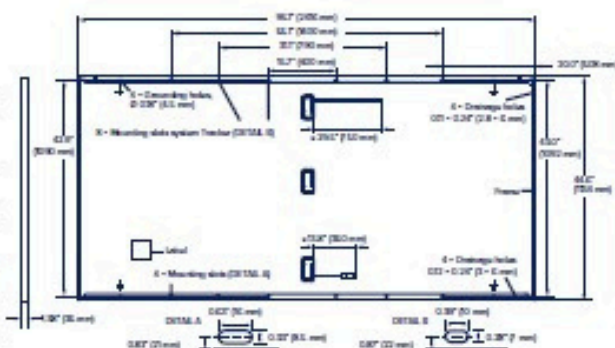
Ground mounted
solar panels



Q.PEAK DUO XL-G11 SERIES

Mechanical Specification

Format	95.1 in × 44.7 in × 1.38 in (including frame) (2416 mm × 1134 mm × 35 mm)
Weight	75.8 lbs (34.4 kg)
Front Cover	0.08 in (2 mm) thermally pre-stressed glass with anti-reflection technology
Back Cover	0.08 in (2 mm) semi-tempered glass
Frame	Anodised aluminium
Cell	6 × 26 monocrystalline QANTUM solar half cells
Junction box	2.09-3.98 × 1.26-2.36 × 0.59-0.71 in (53.101 mm × 32.60 mm × 15-18 mm), Protection class IP67, with bypass diodes
Cable	4 mm ² Solar cable; (+) ≥ 29.5 in (750 mm), (-) ≥ 13.8 in (350 mm)
Connector	Stäubli MC4; Stäubli MC4-Evo2; - IP68

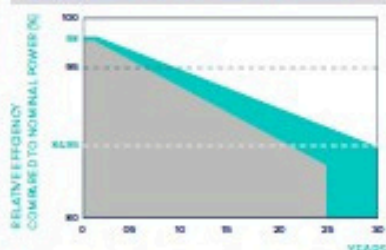


Electrical Characteristics

POWER CLASS			570	575	580	585					
MINIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC* (POWER TOLERANCE +5W/-0W)											
Minimum			BSC*		BSC*		BSC*		BSC*		
	Power at MPP ¹	P _{MPP}	[W]	570	623.5	575	629.0	580	634.4	585	639.9
	Short Circuit Current ¹	I _{SC}	[A]	13.50	14.77	13.52	14.80	13.55	14.83	13.57	14.86
	Open Circuit Voltage ¹	V _{OC}	[V]	53.50	53.69	53.53	53.72	53.56	53.75	53.59	53.78
	Current at MPP	I _{MPP}	[A]	12.83	14.03	12.87	14.09	12.92	14.14	12.97	14.19
	Voltage at MPP	V _{MPP}	[V]	44.44	44.43	44.66	44.65	44.88	44.87	45.10	45.09
	Efficiency ¹	η	[%]	≥ 20.8		≥ 21.0		≥ 21.2		≥ 21.4	
Bifaciality of P _{MPP} and I _{SC} 70% ± 5% • Bifaciality given for rear side irradiation on top of STC (front side) • According to IEC 60904-1.2											
¹ Measurement tolerances P _{MPP} ± 3%; I _{SC} , V _{OC} ± 5% at STC: 1000 W/m ² ; *at BSC: 1000 W/m ² + φ × 135 W/m ² , φ = 70% ± 5%, 25 ± 2 °C, AM 1.5 according to IEC 60904.3											
MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMOT ²											
Minimum	Power at MPP	P _{MPP}	[W]	429.1		432.9		436.6		440.4	
	Short Circuit Current	I _{SC}	[A]	10.87		10.89		10.91		10.93	
	Open Circuit Voltage	V _{OC}	[V]	50.60		50.63		50.66		50.68	
	Current at MPP	I _{MPP}	[A]	10.09		10.14		10.18		10.22	
	Voltage at MPP	V _{MPP}	[V]	42.51		42.71		42.89		43.08	

²800 W/m², NMOT, spectrum AM 1.5

Qcells PERFORMANCE WARRANTY

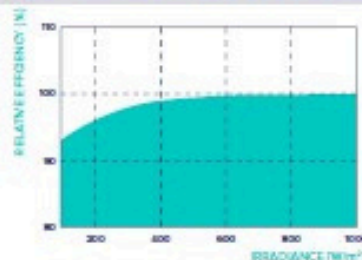


At least 98% of nominal power during first year. Thereafter max. 0.45% degradation per year. At least 93.95% of nominal power up to 10 years. At least 84.95% of nominal power up to 30 years.

All data within measurement tolerances. Full warranties in accordance with the warranty terms of the Qcells sales organisation of your respective country.

¹Standard terms of guarantee for the 5 PV companies with the highest production capacity in 2021 (February 2021)

PERFORMANCE AT LOW IRRADIANCE



Typical module performance under low irradiance conditions in comparison to STC conditions (25°C, 1000 W/m²).

TEMPERATURE COEFFICIENTS

Temperature Coefficient of I_{SC}	α [%/K]	+0.04	Temperature Coefficient of V_{OC}	β [%/K]	-0.27
Temperature Coefficient of P_{MPP}	γ [%/K]	-0.34	Nominal Module Operating Temperature	NMOT [°F]	109 ± 5.4 (43 ± 3 °C)

Properties for System Design

Maximum System Voltage	V_{MPP} [V]	1500	PV module classification	Class II
Maximum Series Fuse Rating	[A DC]	25	Fire Rating based on ANSI/UL 61730	TYPE 29 ¹
Max. Design Load, Push/Pull ²	[lbs./ft ²]	75 (3600 Pa)/33 (1600 Pa)	Permitted Module Temperature on Continuous Duty	-40°F up to +185°F (-40°C up to +85°C)
Max. Test Load, Push/Pull ²	[lbs./ft ²]	113 (5400 Pa)/50 (2400 Pa)		

² See Installation Manual

¹ New Type is similar to Type 3 but with metallic frame

Qualifications and Certificates

UL 61730, CE-compliant,
IEC 61215:2016,
IEC 61730:2016,
U.S. Patent No. 9,893,215
(solar cells)



Qcells pursues minimizing paper output in consideration of the global environment.

Notice: Installation instructions must be followed. Contact our technical service for further information on approved installation of this product.
Harsco Q CELLS America Inc. 400 Spectrum Center Drive, Suite 1400, Irvine, CA 92618, USA | TEL: +1 949 448 52 56 | EMAIL: hqpc-inquiry@qcells.com | WWW: www.qcells.com

qcells



APPENDIX E

Example Contract



6235 Westerville Road | Westerville, Ohio 43081 | 1-877-OWN-SOLAR | www.kokosingsolar.com

ENGINEERING, PROCUREMENT, AND CONSTRUCTION AGREEMENT

THIS ENGINEERING, PROCUREMENT AND CONSTRUCTION AGREEMENT (the "Agreement") is entered into this day of (the "Effective Date"), by and between ("Owner") an with a principal place of business located at _and Kokosing Industrial, Inc., d/b/a Kokosing Solar, an Ohio corporation ("Kokosing Solar"), with its principal place of business located at 6235 Westerville Road, Westerville, Ohio 43081. In consideration of the promises and undertakings set forth herein and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Owner and Kokosing Solar (each a "Party" and together, the "Parties"), intending to be legally bound, hereby agree as follows:

ARTICLE 1

THE WORK OF THIS AGREEMENT

1.1 Scope of Work.

- a. Kokosing Solar shall provide, all professional design and engineering services, component procurement, supervision, labor, materials, equipment, tools, construction equipment and machinery, utilities, transportation, and procurement of permits for the System (subject to the limitations set forth herein and the Scope of Work) in conformity with the Scope of Work (the "Work"), and other facilities, items and services, in each case to the extent necessary to complete the Work in accordance with the Contract Documents (as such term is defined in Article 1.3 below).
- b. "Scope of Work" means the scope of Work agreed upon by the Owner and Kokosing Solar and attached hereto as Schedule 1, which describes the layout, specifications, description, Work, materials, Schedule, permits, Contract Price and all other information necessary to define the System and the Work with respect thereto. Kokosing Solar's Quote (the "Quote") is attached hereto as a part of Schedule 1 and is incorporated herein by reference.
- c. In the event of any conflict between the terms of this Agreement, or any other Contract Documents, and Kokosing Solar's Quote, the order of precedence shall be as follows: (1) any Change Orders; (2) this Agreement; (3) Kokosing Solar's Quote then (4) any the remaining Contract Document.

1.2 Contract Documents. The Contract Documents include this Agreement, the Scope of Work (including but not limited to the Quote), any required submittals required and any Change Orders issued after execution of this Agreement. The intent of the Contract Documents is to include all items necessary for the proper execution and completion of the Work by Kokosing Solar. Performance by Kokosing Solar shall be required only as set forth in the Contract Documents, and the Work specifically identified in the Contract Documents.

1.3 Substantial Completion. "Substantial Completion" shall be defined as the stage in the process of the Work when the Work is operational, and has passed the inspections required in connection with any applicable permits or other regulatory requirements (with the exception of final utility interconnection approval and any meter upgrade). The final utility approval and meter upgrade may take several weeks after achievement of Substantial Completion. Kokosing Solar shall not be responsible for the timing of the final interconnection approval granted by any electric utility company, and such approval is not a condition of Kokosing Solar achieving Substantial Completion. A delay in interconnection approval by the electric utility may result in a delay from date of Substantial Completion to the actual start of the installed system's production. Final payment is due upon Substantial Completion and is not contingent upon the electric utility company's interconnection approval, ensuing inspections, post-installation third-party certifications, alternate interconnection processes or approval timelines, and/or any other related and subsequent processes regarding live grid-tied operation. Upon achievement of Substantial Completion, Kokosing Solar and Owner

will meet and: (a) complete the walk-through of the completed Work, and (b) Kokosing Solar will provide Owner with the system manual.

ARTICLE 2 **CONTRACT SUM**

2.1 **Contract Sum.** The “Contract Sum” is the total amount that Owner shall pay Kokosing Solar in exchange for Kokosing Solar's performance of the Work. The Contract Sum is \$

2.2 The Contract Sum may be adjusted by Change Order, or as otherwise provided in this Agreement.

ARTICLE 3 **COMMENCEMENT AND SUBSTANTIAL COMPLETION**

3.1 **Substantial Completion.** Kokosing Solar shall endeavor to achieve Substantial Completion in a diligent manner based upon the availability and delivery times of the materials, components and equipment necessary for the completion of the Work. Upon the Effective Date, Kokosing Solar will coordinate with Owner to establish a schedule, which will include a forecasted date for Substantial Completion and forecasted dates for achievement of any other milestones set forth in **Schedule 1** (collectively the “Schedule”). Notwithstanding the foregoing, Kokosing Solar may, in its sole discretion, adjust the Schedule and the Substantial Completion date to account for any delays that it may experience, including but not limited to delays in availability and receipt of components, extra work, adverse weather, and other factors, events, circumstances or interferences that are not the sole fault or responsibility of Kokosing Solar, and which delay or hinder the progress of the Work, in whole or in part.

ARTICLE 4 **PAYMENT**

4.1 **Progress Payments.**

- a. Kokosing Solar shall submit invoices to Owner (“Invoice(s)”) upon achievement of the milestones, or other dates, set forth in Schedule 1. However, in the event the Work is delayed by a single event or the cumulation of multiple events for greater fourteen (14) total days during the project, due to fault of Owner or others Owner for which the Owner is responsible, then Kokosing Solar shall have the option to, at any time, invoice Owner for the Work, and for the costs resulting from such delays.
- b. All payments to Kokosing Solar from Owner are due fifteen (15) days from the date of Kokosing Solar's Invoice.
- c. Payments due and unpaid under the Agreement shall bear interest at the rate of the lesser of: (i) 1.5% per month, or (ii) the maximum amount allowed by applicable law.

4.2 **Title and Risk of Loss.** Title to all materials and equipment incorporated into the Work shall transfer to Owner upon full and final payment of the Contract Sum, as it may be amended pursuant to the terms of this Agreement. After delivery of the equipment and materials for the Work to the project site, and except for damage caused by Kokosing Solar's negligent acts or omissions, Owner bear the risk of loss to all such equipment and materials.

4.3 **Final Payment.** The making of payment of the final Invoice shall constitute a waiver of claims by the Owner except those based upon the indemnification and warranties contained in this Agreement.

ARTICLE 5 **CHANGES IN THE WORK**

5.1 In the event that any change in the Work is necessitated by: (i) conditions that are different than Kokosing Solar expected to encounter; (ii) conditions that have changed since Kokosing Solar provided the Quote; (iii) conditions that Kokosing Solar discovers that were previously unknown to it, including but not limited to conditions not in accordance with applicable building or zoning code; (iv) the scope of the Work changes; (v) the Owner requests a change to the Work; (vi) any materials, equipment, or labor becomes unavailable or are delayed; (vii) the cost of any materials, equipment or labor increases by more than one percent (1%) from the amount contained in the Quote; (viii) any delays or costs related to design, consents, approval or otherwise that arise with respect to any association or organization that may have an interest in the property on which the Work is located; (ix) any act or omission of Owner that causes a delay in the Work or increase the cost or time for completion of the Work; or (x) any other circumstances occurs which affects the cost or time of the Work and is outside of Kokosing Solar's reasonable control (collectively the events in this Article 5.1 (i) through (x) shall be referred hereafter as a "Changed Condition"), then Kokosing Solar shall notify Owner in writing of any Changed Condition and provide Owner with a quote describing the Changed Condition and seeking agreement to the associated increase in the Contract Sum and/or extension of time in the Schedule. In the event a Changed Condition occurs, Kokosing Solar shall be entitled to an adjustment in the Contract Sum and, if applicable, an extension of time in the Schedule. Owner's signing of the quote describing the Changed Condition (the "Change Order") shall constitute Owner's unconditional acceptance of the terms of the Change Order. Change Orders shall be written on Kokosing Solar's standard change order form. Owner is required to accept or reject the proposed Change Order within three (3) days of Kokosing Solar's issuance thereof. If Owner does not return a signed Change Order to Kokosing Solar within said three (3) day period, it shall constitute Owner's rejection of the Change Order. Kokosing Solar is not required to proceed with any further Work unless and until Owner accepts, signs and returns an accepted copy of the Change Order to Kokosing Solar.

5.2 If a Changed Condition occurs and Owner does not agree to sign the Change Order or otherwise reject the Change Order, then Kokosing Solar may not be able to proceed with remainder of the project, and may terminate this Agreement without default or other liability. In the event Kokosing Solar terminates this Agreement because Owner does not agree to sign or otherwise rejects the Change Order, Owner shall be liable to and pay Kokosing Solar for the Work completed as of the date of termination plus all of its damages, losses costs associated with such termination, including but not limited to the Termination Payment (defined below).

5.3 Notwithstanding anything to the contrary contained herein, Owner acknowledges and agrees that Kokosing Solar assumes no responsibility for: (1) any concealed or unknown physical conditions located on, under or within any of Owner's property, building or other structure upon or in which the Work is performed, or (2) any unknown subsurface, concealed or other physical condition in any area where the Work is being performed.

ARTICLE 6

OWNER'S RIGHTS AND OBLIGATIONS

6.1 Upon request by Kokosing Solar, Owner, at Owner's sole cost and expense, shall furnish boundary surveys and a legal description of the site.

6.2 Owner shall, at Owner's sole cost and expense, file all documents prior to the start of the Work in accordance with the mechanic's lien laws.

6.3 The Owner shall cooperate with Kokosing Solar in securing any and all building and other permits, licenses and inspections required for the Work. The Owner shall be required to pay all applicable fees for such permits, licenses and inspections if the cost of such fees is not included in the Quote. Owner shall secure and pay for all other necessary approvals, easements, permits, assessments and charges required or reasonably requested by Kokosing Solar for the Work, including for construction, use or occupancy of permanent structures, or permanent changes in existing facilities.

6.4 The Owner shall provide, to the extent available to the Owner, the results and reports of prior tests, inspections or investigations conducted for the project or otherwise relating to the Work and involving structural or mechanical systems, chemical, air and water pollution, hazardous materials or environmental and subsurface conditions and information regarding the presence of pollutants at the project site.

6.5 In addition to these responsibilities, the Owner will have those identified in the Quote.

6.6 To the fullest extent permitted by applicable law, Owner shall indemnify, defend, and hold harmless Kokosing Solar, its parents, subsidiaries, affiliates, suppliers, and subcontractors, and their respective owners, shareholders, members, managers, directors, officers, employees, representatives, and agents (the "Indemnified Parties") from and against any and all claims, liabilities, lawsuits, damages, losses, judgments, liens, costs, fees and expenses incurred by any of Indemnified Parties, including reasonable attorney and other professional fees and court costs incurred by Indemnified Parties, to the extent that such arise or relate to any one or more of the following:

- a. Owner's failure to perform its obligations under this Agreement;
- b. Owner's failure to accurately identify and communicate its property's boundaries to Kokosing Solar;
- c. Personal Injury or tangible property damage caused by Owner, or Owner's employees or agents' acts, omissions, negligence, fraud or willful misconduct;
- d. Personal Injury or tangible property damage caused by pre-existing property conditions encountered by Kokosing Solar on the project site; and/or
- e. Owner's failure to comply with any applicable law, order, rule, regulation or ordinance.

The Indemnified Parties shall have the right but not the obligation to participate in the defense of any claim.

6.7 Owner's Termination and Suspension Rights. Owner may, at its discretion, terminate or temporarily suspend Kokosing Solar's Work under this Agreement.

- a. Suspension: If Owner decides to suspend Kokosing Solar's Work, Owner may only suspend the Work one time and, any such suspension shall not exceed thirty (30) consecutive days. If any such suspension exceeds thirty (30) consecutive days, then Kokosing Solar may terminate this Agreement at its discretion upon written notice. If Owner desires to suspend this Agreement, Owner shall provide written notice to Kokosing Solar of Owner's intention to suspend this Agreement three (3) days in advance of the date of the desired suspension. If Owner decides to suspend the Work under this Article 6.7, then Kokosing Solar shall be entitled to, and Owner agrees to pay, an adjustment in the Contract Sum and agree to an extension of the Schedule associated with the suspension, and these adjustments will be memorialized in a Change Order. Kokosing Solar shall not be required to do any further Work unless and until the Parties agree upon and sign a Change Order, and Owner remits payment to Kokosing Solar for the increase in the Contract Sum associated with said Change Order. If Owner rejects or refuses to sign the Change Order, then Kokosing Solar may terminate this Agreement and shall be entitled to payment for all of its actual costs associated with Work, including but not limited to any reassembly, disassembly, partially complete work, labor, services, material, equipment, overhead and all other costs incurred by Kokosing Solar related to the Work as of the effective date of termination, plus all anticipated overhead and profit it expected to realize on the project (collectively "Termination Payment").
- b. Termination for Convenience: If Owner chooses to terminate this Agreement, Owner is required to provide written notice to Kokosing Solar of its intention to terminate this Agreement three (3) days in advance of the date of the desired termination. In the event that Owner terminates this Agreement under this Article 6.7, any deposit Owner has made will be refunded, less an amount equal to the Termination Payment. If the Termination Payment exceeds the total amount of all deposits Owner has paid to Kokosing Solar, then Owner agrees to pay Kokosing Solar the difference between the total of those deposits and the Termination Payment.

ARTICLE 7
KOKOSING SOLAR'S RIGHTS AND OBLIGATIONS

7.1 Kokosing Solar shall supervise and direct the Work, using reasonable skill and attention and perform the Work in accordance with the standard of care for contractors performing similar Work in the area of the project's location. Kokosing Solar shall be solely responsible for and have control over construction means, methods, techniques, sequences and procedures and for coordinating all portions of the Work under the Contract, unless Contract Documents give other specific instructions concerning these matters.

7.2 Kokosing Solar shall enforce discipline and good order among Kokosing Solar's employees and other persons carrying out the Contract. Kokosing Solar shall not permit employment of unfit persons or persons not skilled in tasks assigned to them. Kokosing Solar shall use all reasonable efforts to maintain labor peace on the Project.

7.3 Warranty

7.3.1 Limited Workmanship Warranty: Kokosing Solar warrants that all workmanship it provides on the Work will be done in a good and workmanlike manner. If any of Kokosing Solar's workmanship is not executed in a good and workmanlike manner, Kokosing Solar will provide the necessary repairs and/or make any necessary modifications for a period of two (2) years from the date of Substantial Completion ("Limited Workmanship Warranty"). This Limited Workmanship Warranty only applies to the workmanship provided by Kokosing Solar in relation to the Work and no other warranty express or implied is made by Kokosing Solar with respect to any equipment, materials or other product purchased or installed by Kokosing Solar.

This Limited Workmanship Warranty only applies only to the workmanship Kokosing Solar provides for the Work and does not apply to, and Kokosing Solar shall not be liable for: (1) the failure or defect of any product, materials or equipment utilized in connection with the Work unless the failure or defect results directly from Kokosing Solar's defective workmanship; (2) any leaks or damage to any roof or roofing system, including but not limited to shingles or flashing, not directly caused by Kokosing Solar's workmanship; (3) Acts of God or other destructive weather conditions, including but not limited to hailstorms, hurricanes, tornado and ice damming; (4) impacts from falling objects; (5) improper use or misuse of any product, material, equipment or the Work; (6) damage to any materials, equipment, other components of the Work, or Owner's real or personal property caused by alterations made after Substantial Completion, including but not limited to structural changes, installation of additional equipment, the application of cleaning solutions, coatings or other modifications; (7) damage caused by debris, whether naturally occurring or otherwise, including but not limited to leaves, seeds, branches or pinecones; (8) damage caused by the settlement of any building or other structure, including but not limited to buckling or cracking of roof decks, walls or foundation; (9) any cost incurred for repair or replacement not authorized in writing by Kokosing Solar; (10) ordinary wear and tear; (11) improper or insufficient maintenance; (12) abuse or neglect; or (13) any other damage or loss not caused by a defect in Kokosing Solar's workmanship.

Any written warranty provided by a manufacturer on equipment, materials or any product purchased and installed by Kokosing Solar will be transferred, to the extent the manufacturer allows for such a transfer, to Owner within thirty (30) days after Kokosing Solar's receipt of Owner's final payment. All claims pursuant to this Limited Workmanship Warranty must be submitted to Kokosing Solar by phone at 1-877-OWN-SOLAR. Owner shall report any claims under this Limited Workmanship Warranty within seven (7) days of the discovery of any alleged defect in Kokosing Solar's workmanship. Upon diagnosis of any problem, Kokosing Solar will determine if the problem is:

- a. The result of Kokosing Solar's defective workmanship and covered under Kokosing Solar's Limited Workmanship Warranty, then Kokosing Solar will schedule a time with Owner to correct the defect and there will be no service charges;

- b. The result of a defect in any material, product or equipment which is covered under a manufacturer's warranty, then Kokosing Solar will provide Owner with information on how to contact the manufacturer, and depending on the circumstances, there may be service charges for labor which are not covered by the manufacturer warranty; or
- c. The result of any condition or circumstance that is not covered under either Kokosing Solar's Limited Workmanship Warranty or a manufacturer's written warranty, then depending on the number of inspections a service charge may apply.

This Limited Workmanship Warranty is not transferable. This Limited Workmanship Warranty may not be changed or modified. Kokosing Solar's liability and obligations are limited to the repair, replacement or the payment of the reasonable costs of repair or replacement of its defective workmanship under this Limited Workmanship Warranty not to exceed the Contract Sum. The choice to repair, replace or make payment is at the discretion of Kokosing Solar. This Limited Workmanship Warranty does not cover consequential damages or incidental damages. Liability under this Limited Workmanship Warranty is limited to the total Contract Sum. This Limited Workmanship Warranty shall only be effective if and when Owner pays Kokosing Solar all amounts owed under this Agreement, and this Limited Workmanship Warranty also conditioned upon Owner not otherwise being in default of the Agreement.

7.3.2 THIS LIMITED WORKMANSHIP WARRANTY IS A LIMITED WARRANTY AND IS GIVEN IN LIEU OF ANY AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES. KOKOSING SOLAR MAKES NO OTHER REPRESENTATIONS OR WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, REGARDING ANY ASPECT OF THE WORK OR OTHERWISE, AND KOKOSING SOLAR EXPRESSLY DISCLAIMS THE IMPLIED WARRANTIES OF MERCHANTABILITY, SUITABILITY, FITNESS FOR A PARTICULAR USE OR PURPOSE, OR ANY RESULTS TO BE DERIVED FROM THE USE OF THE WORK.

7.4 Kokosing Solar shall not be obligated to submit shop drawings or samples.

7.5 If Owner fail to make any payment within ten (10) days of after said payment is due, Kokosing Solar shall be entitled to suspend the Work until such payment is made, and the time for completion shall be extended for a period of time equal to the number of days that Work was suspended, and the Contract Sum shall be adjusted for any increases in cost caused by the suspension. If any payment required by this Agreement remains unpaid by Owner for a period of thirty (30) days, or if Owner is otherwise in materially breach of this Agreement, then Kokosing Solar shall be entitled to terminate this Agreement and to recover the Termination Payment from Owner. The remedies herein provided are in addition to and shall not prevent Kokosing Solar from exercising its rights under the mechanics liens laws of the State of Ohio or pursuing any other remedy available at law or in equity.

7.6 Upon five (5) days' written notice to Owner, Kokosing Solar may, for any reason and without default under the Agreement, elect to terminate this Agreement. In such an event, and provided Owner is not in default under the Agreement, Kokosing Solar shall: return to Owner all sums paid by Owner; have the right to remove all Work from the project site, including but not limited to any materials, equipment, components, and products; restore the project site to a condition substantially similar to the condition it was in prior to the Work; and provide the Owner the status of each permit for the Work. If Kokosing Solar terminates the Agreement under this Article 7.6, and Owner is in default, then Kokosing Solar shall be entitled to retain and offset against any sums paid by Owner which Kokosing Solar has incurred as a result Owner's default.

ARTICLE 8

UNRESOLVED CLAIMS OR DISPUTES

8.1 Initial Dispute Resolution. In the event of any Dispute or Claim (hereinafter, "Dispute") between Kokosing Solar and Owner relating to or arising from this Agreement, or the alleged breach thereof, the Parties hereto shall first endeavor to resolve the Dispute through direct discussion by and between the Parties. In the event such Dispute is not resolved between the Parties, either Party may request that the Dispute be elevated to Senior Executives of each Party. The Senior Executives shall meet and

confer with one another within ten (10) business days of the written request by either Party for such resolution.

- 8.2 Notice of Demand. In the event any Dispute is not resolved by the Senior Executives of the respective Parties as set forth above, the Dispute shall then be submitted to Mediation in accordance with the Construction Industry Mediation Rules of the American Arbitration Association.
- 8.3 Mediation. Notice of demand for Mediation shall be served upon the other Party hereto in writing, and by certified mail, return receipt requested. The demand for Mediation shall be made not later than thirty (30) calendar days after written notice of the Dispute or other matter in question has been given, but in no event shall the demand for Mediation be made when institution of legal or equitable proceedings, based upon such Dispute or other matter in question, would be barred by the applicable statute(s) of limitation. Unless otherwise agreed to in writing by Kokosing Solar, the Mediation shall occur in Columbus Ohio, or at any other location designated by Kokosing Solar. The Mediation shall in all respects be governed in accordance with the Construction Industry Mediation Rules of the American Arbitration Association. The parties shall share equally the costs of the Mediation.
- 8.4 Arbitration. In the event any Dispute is not resolved through the procedures set forth in Articles 8.2 and 8.3 above, it shall be decided by Arbitration. The Arbitration shall be administered generally in accordance with the Construction Industry Arbitration Rules of the American Arbitration Association, however, it shall not be administered by the American Arbitration Association. The Arbitration shall be commenced by one Party filing with the other a written demand for Arbitration. The Parties shall, within twenty one (21) days of the service of such demand, each notify the other of their Party appointed arbitrator. The Parties shall attempt to agree upon the third arbitrator within fourteen (14) days of the date the second Party appointed arbitrator is identified. If the Parties are unable to agree upon the third arbitrator, the two Party appointed arbitrators shall select the third arbitrator within the next fourteen (14) days. All arbitrators shall serve in a neutral capacity. The arbitrator(s) shall have the authority to issue injunctive relief, orders or any equitable or other relief and remedy otherwise available in a court of law.
- 8.5 Final and Binding. Any Arbitration conducted pursuant to this Article 8 shall be conducted in Columbus Ohio. The award of the Arbitrator(s) shall be final and binding upon the parties hereto and shall be enforceable in any court of competent jurisdiction.

ARTICLE 9 **INSURANCE**

- 9.1 Prior to the start of the Work, Kokosing Solar shall procure the following insurance coverages:
- a. Workers' Compensation Insurance coverages as required by law;
 - b. Employers Liability Insurance with limits of not less than \$1,000,000.00 to any one person;
 - c. Comprehensive Automobile Liability Insurance covering all owned, non-owned and hired automobiles used in connection with the Work, with combined single limit converge for Bodily Injury and Property Damage of not less than \$1,000,000 per accident;
 - d. Commercial General Liability Insurance written on an occurrence form and with the following coverage: (i) \$1,000,000.00 each Occurrence (BI & PD Combined Single Limit), (ii) \$2,000,000.00 General Aggregate (per Job site);

Kokosing Solar shall provide the Owner a certificate of insurance evidencing the insurance required in this Article upon request.

- 9.2 The Owner shall be responsible for purchasing and maintaining the Owner's liability and property insurance. Kokosing Solar shall not be responsible for purchasing and maintaining Owner's insurances unless specifically required by the Contract Documents and paid for within the Contract Sum.

9.3 Kokosing Solar shall purchase and maintain, with a company or companies lawfully authorized to do business in the jurisdiction in which the Work is performed, “builders’ risk” property insurance upon the entire Work at its full replacement cost. This insurance shall be on an all-risk policy form and shall include interests of the Owner, Kokosing Solar, Subcontractors, Sub-designers, and Sub-subcontractors in the Work and shall insure against the perils of fire and extended coverage and physical loss or damage including, without duplication of coverage, theft, vandalism and malicious mischief. The Owner shall be solely responsible for any deductible amounts or coinsurance penalties. This policy shall provide for a waiver of subrogation in favor of the Owner, Kokosing Solar and its subcontractors, suppliers, and design professionals. This insurance shall remain in effect until final payment has been made or until no person or entity other than the Owner has an insurable interest in the property to be covered by this insurance, whichever is sooner.

9.4 As a condition precedent to Kokosing Solar’s obligation to start the Work, the Owner shall deliver to Kokosing Solar a certificate evidencing the insurance policies it is required to procure and maintain under this Article 9. If requested by Kokosing Solar, Owner shall also provide Kokosing Solar with a copy of its insurance policies.

9.5 The Owner and Kokosing Solar waive all rights against each other and any of their subcontractors, sub-subcontractors, agents, and employees, each of the other, and any of their subcontractors, sub-subcontractors, agents, and employees, for damages caused by fire, or other causes of loss, to the extent those losses are covered by property insurance required by the Agreement or other property insurance applicable to the project, except such rights as they have to proceeds of such insurance. The policies of insurance purchased and maintained by Owner and Kokosing Solar shall not prohibit this waiver of subrogation. This waiver of subrogation shall be effective as to a person or entity (1) even though that person or entity would otherwise have a duty of indemnification, contractual or otherwise, (2) even though that person or entity did not pay the insurance premium directly or indirectly, or (3) whether or not the person or entity had an insurable interest in the damaged property.

ARTICLE 10 **SUBCONTRACTS**

10.1 A “Subcontractor” is a person or entity who has a direct contract with Kokosing Solar to perform a portion of the Work.

10.2 During the pendency of the Work, the Owner covenants and agrees not to contact, or attempt to direct the work of any of Kokosing Solar’s Subcontractors, including but not limited to Kokosing Solar’s design professionals. Owner shall direct all communications regarding the Work directly to Kokosing Solar.

ARTICLE 11 – INTENTIONALLY OMITTED

ARTICLE 12 **MISCELLANEOUS PROVISIONS**

12.1 The Contract shall be governed and interpreted in accordance with Ohio law.

12.2 Owner and Kokosing Solar waive against each other all causes of action, demands, and/or claims for consequential, indirect, special, punitive, or incidental damages arising out of or relating to this Agreement, or breach thereof, including without limitation damages incurred by the Owner for rental expenses, for losses of use, income, profit, financing, business and reputation and for loss of management or employee productivity or of the services of such person.

12.3 This Agreement shall not be assignable by Owner without the prior written consent of the Kokosing Solar.

12.4 Kokosing Solar, in its sole discretion, may provide supplemental security services for the Work, and shall not be required to provide such services for any other property or person. If Kokosing Solar determines such supplemental security services are necessary, Owner shall compensate Kokosing Solar for all such services and execute a Change Order for such services.

12.5 Force Majeure. Kokosing Solar shall not be responsible to Owner or to third parties for any costs or delays in performance caused by situations or events outside of its control including but not limited to: strikes, weather, war, riots, acts of God, unavailability of suitable and sufficient labor, material, interruptions in regularly scheduled commercial transportation and/or shipping, accident, or capacity, technical or yield failures, pandemics, epidemics, any technological or physical event or condition which is not reasonably known or understood at the Effective Date (“Force Majeure Event”). If a Force Majeure Event occurs and causes Kokosing Solar to incur any additional costs or delays related to the performance of the Work then Kokosing Solar shall be entitled to an equitable adjustment in the Contract Sum and/or an extension of time in the Schedule, if applicable. A Force Majeure Event shall not form the basis, or be cause for cancellation or deduction in the Contract Sum by Owner.

12.6 Notices. All notices required or permitted under this Agreement shall be made in writing and signed by the Party giving same. Such notice shall be deemed effective upon receipt of such notice if delivered in person, delivered by reputable overnight courier or if delivered by registered or certified United States mail, postage prepaid, addressed to such party at the address set forth above. Either Party may, by notice to the other Party, change its address for the receipt of such notices.

12.7 Counterparts. This Agreement may be executed in any number of counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement.

12.8 Entire Agreement. This Agreement, which include all attachments hereto and incorporated herein, is solely for the benefit of the signatories hereto, represents the entire and integrated agreement between Owner and Kokosing Solar, and supersedes all prior negotiations, representations, or agreements, either written or oral. Except as otherwise expressly provided herein, no amendment to this Agreement will be effective unless in writing and signed by Owner and Kokosing Solar.

12.9 Severability and Waiver. The partial or complete invalidity of any one or more provisions of the Agreement shall not affect the validity or continuing force and effect of any other provision. The failure of either party hereto to insist, in any one or more instances, upon the performance of any of the terms, covenants or conditions of the Agreement, or to exercise any rights herein, shall not be construed as a waiver or relinquishment of such term, covenant, condition or rights as respects further performance.

12.10 Education, Promotion & Marketing. Owner hereby grants to a non-exclusive, perpetual, and royalty-free license to Kokosing Solar to use Owner’s names, trademarks, service marks, tradenames, and/or logos, project photos, videos, testimonials and endorsements in Kokosing Solar’s educational and marketing material, including, print, website or social media, which shall include naming Owner as a client of Kokosing Solar.

12.11 Limitation on Damages. KOKOSING SOLAR SHALL NOT BE LIABLE TO OWNER, OR ANY THIRD PARTY FOR ANY INDIRECT, CONSEQUENTIAL, EXEMPLARY, SPECIAL, INCIDENTAL, RELIANCE, OR PUNITIVE DAMAGES (INCLUDING LOST BUSINESS, REVENUE, PROFITS, OR GOODWILL) ARISING IN CONNECTION WITH THIS AGREEMENT OR THE PROVISION OF ANY WORK, SERVICE, OR PRODUCT, UNDER ANY THEORY OF TORT, CONTRACT, WARRANTY, STRICT LIABILITY, MISREPRESENTATION, OR NEGLIGENCE, EVEN IF THRID SUN HAS BEEN ADVISED, KNEW OR SHOULD HAVE KNOWN OF THE POSSIBILITY OF SUCH DAMAGES.

NOTWITHSTANDING ANYTHING TO THE CONTRARY CONTAINED IN THIS AGREEMENT, KOKOSING SOLAR’S MAXIMUM LIABILITY TO OWNER WITH REGARD TO THIS AGREEMENT SHALL NOT EXCEED THE CONTRACT SUM.

12.12. Survival: The following Articles shall survive the termination or expiration of the Agreement: 2.1, 4.1, 4.2, 4.3, 5.1, 5.2, 5.3, 6.6, 6.7, 7.3, 7.5, 7.6, 8.1, 8.2, 8.3, 8.4, 8.5, 9.1, 9.2, 9.3, 9.4, 9.5, 12.1, 12.2, 12.3, 12.4, 12.5, 12.6, 12.7, 12.8, 12.9, 12.10, 12.11 and 12.12.

This Agreement is entered into as of the Effective Date.

Kokosing Industrial, Inc., d/b/a Kokosing Solar:

By: Brady J. Phillips

Name: _____

Title: Director of Solar Operations

OWNER:

By:

Name: _____

Title: _____



Schedule 1

Kokosing Solar System Quote

PROJECT DESCRIPTION: Design-build a 57.82kW DC Solar PV system

INSTALLATION ADDRESS:

PRICING DETAILS:

Design, Engineering & Project Management	Included
Includes system design, professional engineering and permitting and standard interconnection application fees	
Materials and Shipping	Included
Panels: Includes shipping (as applicable) for	
QCells 580W , c-Si modules or other of equivalent efficiency and quality	
SolarMounts LLC Includes shipping (as applicable) for	
Unirac or equivalent Racking system(s)	
CPS 208V inverter Includes shipping (as applicable) for	
CPS or equivalent Inverters	
Additional equipment	
all wire, conduit, hardware and small parts as per scope of work	
Labor	Included
Includes component delivery, staging, installation labor, supervision, and system commissioning activities as per scope of work	
Options	Included
Inverter based, internet capable performance monitoring, revenue grade, remote access SREC-compliant kWh meter	
<i>(Enter "Tax Exempt" if Tax Exempt Client)</i>	
Sales/Use Tax	Tax Exempt
Project Total:	\$
Prices valid for 30 days from date of quote	

Notes:

- Tax Free Certificate Required if applicable
- All Kokosing Solar systems include a basic SREC-compliant kWh meter as a standard feature. Additional internet-based performance monitoring is included as an option if shown above.

PAYMENT TERMS:

Payment terms are negotiable, and balance may be paid in full anytime. Below are our preferred terms. If this System Quote is attached and made a part of an Engineering, Procurement and Construction Agreement between Kokosing Solar and the client for which the System Quote was written (the "Agreement"), then these payment terms shall be binding on the Parties subject to the terms and conditions of the Agreement.

First Payment:	\$ Will be invoiced at contract signing for Design, Engineering and Permitting.
Second Payment:	\$ for partial payment on major components, due no more than 6 weeks prior to components being scheduled for delivery to the jobsite or an offsite storage location.
Third Payment:	\$ or final payment of major components, due upon components being delivered to the jobsite or a customer approved offsite storage location.
Fourth Payment:	\$ for installation materials and majority of installation work, due at completion of physical installation of major components.
Final Payment:	\$ balance of installation work, due immediately after commissioning and final inspections.

PROJECT SCOPE:

Kokosing Solar will design and install a nominally kW DC solar PV system, comprised of the following major components: QCells 580W solar panels (or crystalline modules of equivalent or greater efficiency); SolarMounts racking system (or equivalent); and CPS inverters or equivalent inverters.

Kokosing Solar will provide a turnkey project inclusive of all the design, permits, equipment and work necessary for a fully functional solar power system installed according to applicable codes and manufacturer's recommendations, *with any exceptions noted and described in the "Exclusions" section below.*

Project Scope Includes:

1. Completion of applicable project design submittals, applicable professional building and electrical engineering, utility inter-connection application, compliance with applicable zoning, building, and electrical permitting and inspection requirements.
2. Complete safety program as per Kokosing Solar Safety Policy (following industry practices, including a substance abuse screening program).
3. Evidence of general liability and workers compensation insurance.
4. Shipping, off-site storage as appropriate, delivery and staging of equipment at project location.
5. Installation of the solar module racking, solar modules, inverter system, switchgear, fusing, combiner panels, signage, basic SREC compliant kWh meter, along with any and all wiring and conduit required for a complete system (with any partial exclusions to this noted below under exclusions).
6. Roof flashing and waterproofing limited to any rack attachment, conduit entrance or inverter riser detail.

7. Testing, turn-on and commissioning of the power system. Provision of a complete project manual, “as-built” system schematic drawings and completed warranty registration paperwork, along with a system walk-through with the customer on the final day of installation.
8. Commissioning includes complete system test according to Kokosing Solar Solar’s standard Commission and Service Procedure.
9. All Kokosing Solar systems include a basic SREC-compliant kWh meter as a standard feature. Additional internet-based performance monitoring is included if called out in proposal.

Project Scope Exclusions:

1. Internet service provision.
2. Any structural modifications or roof repair above and beyond conduit entrances, module and inverter mounts.
3. Costs of fees associated with a utility meter replacement or modification.
4. Costs or fees associated with an unanticipated utility engineering study or modification to utility owned equipment.
5. Other: _____

GENERAL TERMS AND CONDITIONS:

- This quote is intended to be used as an exhibit in Kokosing Solar’s standard Engineering Procurement and Construction Agreement, and the details contained herein, including but not limited to pricing, scope and other conditions, are based upon the use of such agreement and are subject to change if a different contract form is used. A copy of such standard Engineering Procurement and Construction Agreement can be provided upon request. If a different contract form is used and agreed to by Kokosing Solar, this quote and its general terms and conditions are made part of that contract, and shall supersede any conflicting language in that contract. Use of a different contract may also
- The prices in this quote are good for 30 days from the quotation date. Due to volatile nature of supply, specified product may become unavailable at the time of ordering for installation. Should such an issue occur, Kokosing Solar will propose a suitable, alternate product and issue a change order if accepted.
- Kokosing Solar shall not be responsible for the timing of the final interconnection approval granted by any electric utility company, and such approval is not a condition of Kokosing Solar achieving Substantial Completion. A delay in interconnection approval by the electric utility may result in a delay from date of Substantial Completion to the actual start of the installed system’s production. Final payment is due upon Substantial Completion and is not contingent upon the electric utility company’s interconnection approval, ensuing inspections, post-installation third-party certifications, alternate interconnection processes or approval timelines, and/or any other related and subsequent processes regarding live grid-tied operation.

- Electricity rates, charges and service fees are determined by the electric utility provider and are subject to change. Changes may positively or negatively impact any potential savings or the value of your Solar Electric System.
- State and Federal grant and tax rules are subject to change without notice. Kokosing Solar does not provide tax or financial advice and cannot be responsible for financial impacts incurred as a result of changes in various incentive programs, individual eligibility, or changes in law. **Consult with a tax professional to review your unique tax situation: not everyone is able to use the full tax credit.**
- Kokosing Solar is not responsible for existing site features that are not up to current building or electrical code. If an existing code violation interferes with Kokosing Solar's ability to perform the installation or to pass inspection, then it is the customer's responsibility to bring the issue up to current code.
- This Quote is made assuming that an evaluation will confirm that the existing roof, underlying structure and roof's connection to the underlying structure are capable of supporting the additional loads imposed by the proposed solar array. Any structural modifications that may be required are not part of this proposal and would require a Change Order.
- Kokosing Solar will provide an estimate of any applicable state rebate incentives, but such estimate shall not be relied upon as State laws are subject to change and the State's final determination may deviate from this prediction. Kokosing Solar makes no warranty as to the accuracy, sufficiency or result of any such estimate and expressly disclaims any liability, or loss suffered by person or entity that relies on such estimate. Design submittals will be prepared prior to the ordering of materials. Customer approval and acceptance of the design submittals is required to proceed with ordering equipment for the installation, and such approval shall not be unreasonably withheld, conditioned or delayed.
- Kokosing Solar's installation is dependent on weather conditions and may require coordination with other trades. Kokosing Solar will make reasonable efforts to proceed according to agreed upon schedule.
- This Quote is based on full access to the project location during, before, and after normal business hours. Failure to provide access as coordinated may result in a cost change order for additional mobilizations.
- Before completion of the project, Kokosing Solar will endeavor to return the premises to the condition in which it was in prior to the start of the project (with the exception of excavation or trenching work, where Kokosing Solar will restore the affected areas to "rough grade with mounding" to allow for customer to perform final landscape restoration after settling.)
- During installation, access to parts of customer's property may be temporarily cordoned off for safety. A brief interruption of electrical service may occur during the installation. If required, Kokosing Solar will coordinate timing of power interruption with customer.
- This quote is based on having all provisions necessary, including utility power, internet access if required, complete and waterproof roof, to commission your solar energy system in place prior to installation. Failure to provide these as coordinated may result in a cost change order for additional mobilization.

- Kokosing Solar recommends that customer provide a dedicated high-speed internet service connection for the internet based monitoring system (if part of scope). This will allow for customer's current internet/network connection's existing security measures to remain intact, without modification. Kokosing Solar is not responsible for internet-based monitoring failures resulting from internet access issues and/or general networking issues.
- This Quote is based on having a customer representative present at the final day of installation for a system review and customer walkthrough. Failure to participate as coordinated may result in a cost change order for additional mobilizations.
- This quote is based on use of customer water, electricity and sanitary facilities during installation period. If this is impractical or unacceptable, cost of temporary facilities will be paid by customer through a change order.
- All payments are due fifteen (15) days from the date of Kokosing Solar's invoice.
- In order to increase efficiency and reduce our carbon footprint, a Kokosing Solar representative will be available to attend pre construction and other meetings via conference call. When there is justification and the objective cannot be attained via telephone and e-mail, then a Kokosing Solar representative will be dispatched for a meeting onsite or at another location.
- Kokosing Solar offers a two (2) year Limited Workmanship Warranty. A copy of the full Limited Workmanship Warranty can be provided upon request.