

Job Description-Solar Designer II

Company: Big Sun Solar
Job Title: Solar Designer II
Salary: Competitive compensation based on experience + health insurance
Job Location: San Antonio, Texas
Reporting to: Director of Engineering and Construction

About Our Company:

Big Sun Solar provides turnkey rooftop, carport, and ground-mount solar PV systems Texas businesses to help counter rising energy costs, meet corporate sustainability goals and enhance property value. Big Sun Solar is an industry leader trusted by prominent brands, including Cavender Auto Group, Ancira, Rush Enterprises and Baywood Hotels, and has helped San Antonio become 5th in the nation for most solar megawatt installed. Additionally, its partnership with CPS Energy and Guadalupe Electric Coop has built close to 10 megawatts of utility integrated solar power for central Texas residents and businesses. With a passion to build a more renewable future for the next generation of Texans, Big Sun Solar is headquartered in San Antonio and serves businesses across the state.

Company Purpose:

Big Sun Solar exists to help save the planet.

Job Responsibilities:

- Serving as project engineer for commercial and utility scale solar projects.
- Designing preliminary layouts and final permit packages based on the potential client's needs and building property specifications.
- Leading project calculations, component sizing and overall electrical design for solar PV systems.
- Creating drawings of proposed systems, including solar carports, roof-top solar arrays, and ground-mounted solar arrays.
- Creating production models using PVSyst, Helioscope and SolarAnywhere.
- Coordinating with utilities and AHJ on project design, permitting, and execution.
- Communicating and managing vendors and subcontractors.
- Using AutoCAD and SketchUp to complete design to local AHJ requirements.

- Comply with building codes, engineering practices, safety codes, regulatory codes, and NEC standards.
- Coordinating with other members of the engineering and sales team throughout the project lifecycle to ensure that designs are feasible and compatible with the property.
- Attending customer meetings throughout sales and construction cycles.
- Assist with system monitoring and performance analysis.

Qualifications:

- 4-year degree or equivalent practical experience, or other technical degree from an accredited college.
- 5+ years experience in the solar PV industry designing commercial and industrial solar projects.
- Working knowledge of National Electrical Code
- NABCEP certification is a plus.
- EIT or Texas Professional Engineer license is a plus.
- Excellent computer skills in Microsoft Excel.
- Experience developing and reading technical documents and construction documents.
- Proficient in all facets of latest AutoCAD software.
- Experience with PVSyst, Helioscope, and Energy Tool Base.
- Exceptionally organized, meticulous, and detail organized.
- Proven ability to adapt and thrive in fast-paced, dynamic environments.
- High sense of urgency and deadline driven.
- Self motivated with an ability to manage multiple objectives.
- Skilled in adapting to requirements of numerous, constantly changing demands.

The solar engineer will also have the opportunity to provide support in the developing energy storage business opportunities.

The ideal candidate will have a passion for solar PV, an interest in mitigating climate change and a desire to build distributed solar resources across Texas utilizing innovative programs.