



Solar Power Designer

About Us

Advanced Solar Products (ASP) is one of the leading Engineering/Procurement/Construction (EPC) firms for photovoltaic (PV) power systems on the East Coast. It designs and builds photovoltaic systems in all sectors from residential to large commercial and utility scale. ASP also conducts research and development programs in solar energy, including battery-based power systems for micro-grid and emergency back-up applications. ASP is an innovative and fast-growing company in a fast-growing industry. Its advocacy was instrumental in the formation of New Jersey's renewable energy program, and in making the state a leader in the nation in solar energy development. The company and its people are dedicated to building a sustainable future and maintain a supportive, collaborative atmosphere. ASP offers competitive salary, benefit and bonus programs commensurate with skills, experience and accomplishments.

Advanced Solar Products currently seeks a full-time **Solar Power Designer**. The position will create all technical design drawings required for the full construction of solar PV systems in accordance with all relevant codes, specifications, and standards. You will report to the Director of Engineering.

Primary Responsibilities

- Design Solar PV Systems, including single-line diagrams, array layouts, and 3D models
- Assess and survey site conditions (i.e. roof, electrical room, etc.) and anticipate electrical issues that may arise during the installation process.
- Maintain constant communication with installer partners and project managers to update design drawing set as needed due to field changes and design modifications.
- Involvement in construction project management, permitting and regulatory approval process, research and development in solar technology for new product development. Staying current on new technological developments in the field.

Minimum Qualifications

- 3-5 Years of experience in PV system design, preferably at commercial scale
- Experienced with electrical design and drafting using AutoCAD.
- Demonstrated electrical, structural and mechanical design skills, and the ability to generate accurate, highly detailed construction drawings.
- Strong interpersonal, written, and verbal skills, including the ability to communicate in a positive manner with project managers, other engineering/design team members, management and installation contractors to foster an environment of superior coordination.
- Good problem-solving ability and a proactive work ethic. Must take accountability of own body of work, closing each project by design completion efficiently, while maintaining accuracy and strict attention to detail.
- Willingness and ability to clearly define objectives, exercise sound technical judgment, take on increasing levels of responsibility and to thrive in a small, flexible and dynamic work environment.
- Knowledge of National Electric Code and International Building Code is preferred.

Preferred Qualifications

- Knowledge of National Electric Code and International Building Code
- Proficiency in Microsoft Office Suite
- Experience 3D CAD Modeling

Dedicated to Building a Sustainable Future