



## **Solar Power Engineer**

### **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 Engineer**. The individual will complete the design and engineering of solar photovoltaic (PV) systems in accordance with all relevant codes, specifications, and standards.

This position will report to the Director of Engineering.

### **Primary Responsibilities**

- Complete AC and DC design of photovoltaic systems including interconnection with utility in accordance with the National Electric Code, and all other applicable federal, state and local codes.
- Specify all AC and DC electrical equipment for both low and medium voltage interconnections, including AC combiners, transformers, switchgear etc.
- Perform load flow, short circuit and coordination and arc flash studies.
- Design data acquisition system and performance monitoring for a PV system.
- Provide engineering support during permitting and construction of a project and provide field engineering and assistance to construction management as necessary.
- Provide engineering support to business development team for creation of proposals and bid documents.
- Stay up-to-date with latest research and development in solar technology, specifically for all new relevant product development.
- Attend meetings with 3rd party reviewers, clients and the Authorities-Having-Jurisdiction (AHJ's).
- Review technical portions of bid documents and provide pricing to the business development team during bid process.
- Conduct equipment evaluations with procurement team / sign off on purchase orders
- Perform site visits with electrical subcontractors to create designs (identify key issues, site logistics, conductor routings, electrical equipment placement, electrical room layouts & roof audits)

### **Minimum Qualifications**

- BS in Electrical Engineering
- Working knowledge of the National Electrical Code (NEC) and the International Building Code (IBC).
- Strong multi-tasking, communication and interpersonal skills.
- Willingness to travel as needed.
- Be comfortable in a fast-paced, ever changing work environment.
- Experienced with electrical design and drafting using AutoCAD.

### **Preferred Qualifications**

- BS/MS in Electrical Power Engineering.

*Dedicated to Building a Sustainable Future*

- Minimum three (3) years of work experience with medium-voltage equipment and PV systems preferred.
- Experience using ETAP software for power system modeling.
- Experience with PV system modeling using PVsyst.
- Design of battery PV hybrid system, including system islanding/micro-grid operation.