



Electrical 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 **Electrical Engineer**. The job would be to 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 Engineering Manager.

Primary Responsibilities

- Complete DC and AC design of a photovoltaic system including interconnection with utility in accordance with the National Electric Code, and all other applicable federal, state and local codes.
- Specify all AC electrical equipment for both low and medium voltage interconnections, including AC combiners, transformers, switchgear etc.
- Perform load flow, short circuit, and coordination 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 construction management, as necessary.
- 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 evaluation and assist with development of bill-of-materials with the procurement team.
- Perform site visits with electrical subcontractors to create designs

Minimum Qualifications

- BS in Electrical Engineering.
- Two (2) years of experience in the electrical power industry.
- Strong understanding of basic Electrical Engineering principles.
- 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.
- Experienced with electrical design and drafting using AutoCAD.

Preferred Qualifications

- BS/MS in Electrical Power Engineering.
- Experience using ETAP / SKM software for power system modeling.
- Three (3) years of experience with low voltage & medium-voltage electrical equipment and PV systems.

Dedicated to Building a Sustainable Future