



Position Title: PV System Lead Designer

Position Description

SEI Engineering (SEIE) is a multi-discipline engineering firm affiliated with Solar Energy International. Our mission is to provide the foremost technical expertise in solar energy to empower people, grow businesses, and influence the global PV industry through best practices. SEIE is seeking a self-motivated, highly-experienced PV System Lead Designer to join our design and management team full-time.

This position is for a PV System Lead Designer who can efficiently execute various levels of drafting and analysis relating to the design of PV systems and act as lead technical designer on projects under the direction of a Project Manager.

The ideal candidate would have the ability to act as a lead technical designer and/or project manager for utility, commercial, and residential scale PV design projects. This is a remote or in-house full-time position with some flexibility, however the candidate must be available during typical business hours, be able to communicate effectively, work independently, and collaborate with a remote team using a variety of software.

Candidates will be evaluated as interest is received. Resumes will be received until the position is filled. Send resumes to jeff@seisolarpros.com in PDF format.

Job Duties:

- Lead and participate in the design and development of electrical plan sets
- Learn and enhance SEIE's plan-set template, standards, and best practices.
 - Design equipment layouts, installation details, and single-line diagrams (PV, MV, Auxiliary Power, Monitoring, etc.).
 - Manage assistant designers and collaborate with sub-consultants as needed.
 - Interface with utilities and coordinate the design of interconnections with licensed Engineers.
- Identify issues on projects and collaborate with the client, co-workers, and others to execute effective solutions.
- Interact with team members, clients, vendors, installation contractors, and others to create efficient and cohesive designs.
- Generate Single Line Diagrams for utility interconnection application processes.
- Report the status of progress on each project to Senior Managers on a weekly or daily basis as needed.



- Request technical support as needed on projects
- Occasionally provide estimates of time to perform tasks
- Hold the highest level of integrity in every aspect of the work being performed

Skills and Qualifications:

- High level understanding of National Electric Code (NEC) and other applicable codes
- Proven work experience in the Solar PV industry
- NABCEP Certified PV Installation Professional
- High proficiency in AutoCAD required
- Experience with PV system modeling software such as PVsyst, Helioscope and/or Homer desired
- Ability to perform shading analyses is highly desirable
- Energy storage system design experience is highly desirable
- Ability to communicate technical knowledge in a clear and understandable manner, and to act as a project leader of a PV design team
- Ability to manage sub-station engineers and sub-consultants performing that task
- Ability to take initiative and meet project timelines
- Full-time commitment to the position with flexibility based on workload

Compensation:

Based on experience. To be negotiated.