



3026 Owen Dr, Ste 104 • Nashville, TN 37013
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Job Description – PV Design Engineer

The Design Engineer takes initial solar PV system concept ideas and turns them into fully detailed construction ready designs. Working on residential, commercial, and utility scale solar projects, the Design Engineer has a steady pipeline of diverse projects to design. Coordinating with Sales Consultants, AHJs, LPCs, and customers, the Design Engineer balances the necessity of a customer solution with the efficiency of standard practices. This position would require relocation to Nashville, TN.

PRIMARY RESPONSIBILITIES

- Lead engineering for projects in our pipeline –residential, commercial, and utility scale
- Verify initial system layout and gear location specified by salesperson
- Complete system designs for PV projects including site plans, mechanical racking and attachment plans, single-line electrical drawings, specification of BOS location and interconnection details, and labeling
- Interface and provide streamlined project information and detailed bill of materials to the procurement managers.
- Provide operations, service and sales departments with engineering support as needed.
- Understand the optimal design applications and design limitations of our standard products, and lead the evaluation of alternate products

BASIC QUALIFICATIONS

- Strong verbal and written communication skills
- Ability to multi-task and manage numerous projects simultaneously
- At least 1 year of design or engineering experience related to renewable energy preferred
- Any additional experience with estimating or designing electrical systems is preferred
- Competence in AutoCAD is mandatory
- Competence in PVSyst is preferred
- Well versed in Microsoft Office, especially Excel
- BS degree in ME or EE or related discipline preferred
- Knowledge of photovoltaic systems, NEC requirements, construction practices
- Ability to effectively prioritize and execute tasks in a high-pressure environment is crucial
- Must be able to learn, understand, and apply new technologies
- Valid driver's license

Application requirements

- We request that all candidates e-mail their resumes to jobs@lightwavesolar.com or submit online at <https://lightwavesolar.com/about-us/#careers>. Only resumes with a cover letter and salary requirements will be considered. References will be checked for final candidates.
- No phone calls, please.