



**Job Title:** Power Electronics Engineer

### General Description

The Power Electronics Engineer will be responsible for the design and development of power electronic systems, components and circuits for power distribution systems.

### Education / Requirements

- Bachelor of Science in Electrical Engineering
- Masters of Science in Electrical Engineering – Power Systems (Desired)
- At least 4 years of design experience working in any of the following: 300 – 600 V AC DC area, renewable energy sector, power distribution, energy management, utility company, power electronics.
- Experienced in the advanced design of power electronics including high efficiency AC and DC power electronics, especially AC-DC rectifiers, DC-DC regulators, and DC-AC Inverters.
- Develop design specifications and evaluate different design topology for power electronics.
- Past experience must be with 300 – 600 VDC systems.
- Design experience with three phase power electronic converters used in inverters, battery chargers or power supplies.
- Knowledge and experience with evaluating and preparing product specifications and product performance test procedures or plans.
- Strong knowledge of UL/CE standards for testing and rating power electronics
- Experience designing electrical systems that comply with North American and international codes and standards
- Highly proficient Project Management skills
- Knowledge of root cause analysis, corrective and preventive action, analytical problem solving and trouble-shooting, Lean Tools, Standardization
- Superior interpersonal skills
- **Possess unrestricted authorization to work in the United States**
- Relocation assistance may be offered to chosen candidate.

### Specific Requirements

- You must possess a private driver's license, pass an employment test and undergo a reference or security check.

### Additional requirements:

- To be considered for the position applicants must describe their experiences with all of the responsibilities listed in the job description; the software packages you have worked with; your ability to reference National Electrical Codes; your working knowledge of complex electrical / electronic equipment and circuits, ability to read and edit complex materials, checklist, blueprints, and diagrams.

### Salary Range

- Commensurate with experience. Budgeted (\$70K – \$90K)