



IDEAL POWER INC.

Ideal Power Inc. (NASDAQ: IPWR) has developed a novel, patented power conversion technology called Power Packet Switching Architecture™ (PPSA). PPSA improves the size, cost, efficiency, flexibility and reliability of electronic power converters. PPSA can scale across several large and growing markets, including commercial Battery Energy Storage Systems (BESS), electrified vehicle charging, and solar photovoltaic generation. Ideal Power utilizes a capital-efficient business model to commercialize our technology through the use of contract manufacturing, product licensing, and market distribution channels. Ideal Power has won multiple grants including one from the Department of Energy's Advanced Research Projects Agency - Energy (ARPA-E) to commercialize bi-directional power switches, which are expected to improve power density by thirty percent and reduce efficiency losses by fifty percent. For more information, visit www.IdealPower.com.

CURRENT OPPORTUNITY

Job Title: Engineering Technician
Department: Hardware Engineering
Job Location: Austin, TX
Reports To: Director, Hardware Engineering

POSITION SUMMARY

The engineering technician directly supports research and development engineering as well as manufacturing engineering, performing a variety of assembly and diagnostics functions to support the organization. In this role an individual needs to be versatile and dynamic as the job tasks may vary frequently depending upon organizational demand and resources. The successful candidate must work well with the other individuals in the engineering and manufacturing organizations.

ESSENTIAL DUTIES AND RESPONSIBILITIES

- Provide technical assistance and resolution when electrical or engineering problems are encountered in-house, at the manufacturing facility, or in the field. Issues are likely to span electronic (industrial control) and electrical (AC and DC power) domains.
- Assemble electrical and electronic systems and prototypes according to engineering data and knowledge of electrical principles, using hand tools and measuring instruments.
- Install and maintain electrical and electronic systems, primarily inverters (30kW) battery chargers, and rectifiers.
- Modify electrical prototypes, parts, assemblies, and systems to correct functional deviations.

- Set up and operate test equipment to evaluate performance of developmental parts, assemblies, or systems in the field or under simulated operating conditions, and record results.
- Collaborate with electrical engineers and other personnel to identify, define, and solve issues in-house, in the factory, and in the field.
- Track field, factory and in-house failures and engineering changes.

QUALIFICATIONS

The successful candidate must have a proven record that demonstrates:

- Ability to lift 50 lbs.
- Read and interpret electrical and electronic schematics
- Trained / experienced with high voltage (less than 3kV)
- Perform basic troubleshooting
- Solder through-hole and fine pitch surface mount components
- Load program into programmable components (for instance FPGAs)
- Basic computer operation (Word, Excel, Outlook, etc.)
- Operate electrical and electronic test measurement tools such as digital volt meters, oscilloscopes, power supplies, passive and electronic loads and logic analyzers
- Isolate faults in electrical and electronic equipment
- Ability to follow process while operating autonomously
- Experience managing engineering changes and working in a production environment

EDUCATION and EXPERIENCE

- Graduate of at least a two year accredited technician program or five years in a similar position.

WORK ENVIRONMENT

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. This position involves working in a standard office environment and engineering lab.