



IDEAL POWER INC.

Ideal Power (NASDAQ: IPWR) is a power conversion technology company that delivers efficient and compact solutions to system integrators and project developers to connect distributed energy resources to the grid. Ideal Power's products offer enhanced performance for battery-enabled applications at a competitive cost, backed by first-rate customer service. With its patented power conversion technology, Ideal Power supports a broad set of growing markets, including solar plus storage, battery energy storage and microgrids. For more information, visit www.IdealPower.com.

CURRENT OPPORTUNITY

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

POSITION SUMMARY

The Mechanical Engineer is a key member of the engineering team responsible for leading the mechanical designs for our Universal Power Control (UPC) technology. The engineer works with both engineering and manufacturing to develop enclosure and subsystem mechanical designs for both functional and diagnostic applications. The position is challenging requiring a breadth of skills and expertise, as well as an ability to work well with others and individually. The candidate will work closely with electrical engineers to design new products.

ESSENTIAL DUTIES AND RESPONSIBILITIES

- Create product mechanical designs (sheet metal enclosures and other mechanical elements) from concept to production
- Design creative solutions for the critical product requirements:
 - Mechanical reliability
 - Compliance to industry directives
 - Thermal design and analysis of power electronics cooling
 - Air flow
 - Pollution class control
 - Ingress Protection
- Find suitable components for use in power electronics assemblies and computer-intensive platform designs
- Modify mechanical prototypes, parts, assemblies, and systems to correct functional deviations
- Collaborate with other 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

- Troubleshooting Skills – familiar with mechanical analysis tools, thermal modeling, tolerance analysis and empirical measuring procedures

QUALIFICATIONS

The successful candidate must have a proven record that demonstrates:

- Ability to create mechanical designs using SolidWorks
- DFM and DFT for high volume manufacturing
- A knowledge of basic computer operation (Word, Excel, Outlook, etc.)
- Experience managing engineering changes and working in a production environment
- Ability to lift up to 50 lbs

EDUCATION and EXPERIENCE

- Bachelor's or Master's degree in Mechanical Engineering
- Minimum 5 years' experience with mechanical designs including sheet metal enclosures
- Experience with electronics wiring and wiring harness design
- Experience with design of outdoor electronics packaging
- 10+ years' experience is preferred but not required

TRAVEL

- Ability and willingness to do some limited travel, including trips for design analysis, customer and supplier interaction
- Travel <20%

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.