



Job Description

Hardware Engineer

HindlePower is seeking a Hardware Design Engineer for stationary battery charger systems.

The ideal candidate is knowledgeable in digital, analog, and power electronics design.

What we do...

HindlePower has been designing and manufacturing industrial (non-commercial) battery chargers and dc power systems for the utility industry for over 35 years. Our staff and products serve the power generation and distribution market, switchgear OEMs, power substations, the oil & gas industry, and various transportation maintenance facilities.

We are the leaders in our industry and have customers in all 50 states plus additional countries worldwide.

A few things about us...

Our commitment to quality is evident in our highly skilled colleagues and our exceptional approach to customer service that sets us apart. We believe in rewarding hard work and offering competitive compensation, comprehensive health, vision, and dental benefits, along with a 401k plan that includes employer matching and a gain-sharing program.

At our core, we are driven by integrity and quality, constantly seeking innovative solutions and improvements. Our unique culture thrives on accountability and self-initiative, empowering every employee to make impactful contributions. In our organizational structure, your voice is heard, and your efforts are recognized. We celebrate our achievements together, whether it's over a complimentary lunch in our cafeteria or through our various team-building activities. We are a three-time Top Workplace in the Lehigh Valley. An accomplishment we are proud of and are continually striving to do better.

Most importantly, our purpose is to enhance the lives of those who work with us. We don't just provide jobs; we create meaningful careers and lifelong learning opportunities. This is more than a workplace; it's a place where you grow, contribute, and be a part of something truly special.

We value our employees and trust they hold these key characteristics:

- **Initiative...** we see it, we do it
- **Ownership...** I've got it, you don't need to think about it
- **Integrity...** decisions are based on looking at the whole picture
- **Attitude...** anything can be done
- **Virtue...** honesty, good deeds, kindness, and appreciation
- **Teamwork...** we before I

Position Responsibilities:

- Create and redesign existing Schematics and Printed Circuit Board designs for our DC control systems
- Design filter inductors and main power transformers for our battery charger family
- Create production documentation for your new designs, including BOM (Bill of Materials) with material costs and winding sheets for the magnetics
- Test new designs for 3rd party environmental, regulation, and safety standards
- Work with manufacturing personnel to analyze and resolve production and/or documentation issues
- Collaborate with the engineering group on design

Desired Requirement/Experience:

- BS/MS in an Engineering discipline preferred
- 5+ years of Electrical Engineering experience
- Power Electronics, Analog, Digital, and Embedded Microcontroller Application designs
- Magnetics design (transformers and chokes)
- SCR Control and Driver Circuit design
- Thermal analysis of electrical/mechanical assemblies
- Experience working in a manufacturing company

Preferred Additional Requirements:

- PCB Design (Altium)
- Circuit Analysis and simulation software
- Switch-Mode Power Supply Design
- Thermal management
- Designing and testing products to comply with UL/CSA and other 3rd party standards

HindlePower is an Equal Opportunity Employer (U.S.) All qualified applicants will receive consideration for employment without regard to race, color, religion, national origin, age, citizenship, gender, marital status, pregnancy, sexual orientation, gender identity and expression, disability, or veteran status.

To apply - Please send your resume to employment@hindlepowerinc.com