



JOB DESCRIPTION

Job Title: Mechanical Engineer

Job Classification: Salaried FLSA Status: Exempt

Department: Engineering Reports To: Engineering Manager

Work Location: Vista, CA

FLUX POWER, INC.

Flux Power develops advanced lithium-ion batteries for industrial uses. Flux solutions utilize its proprietary battery management system (BMS) and in-house engineering and product design. Flux batteries deliver improved performance, extended cycle life and lower total cost of ownership than legacy lead-acid solutions. Flux sells primarily to lift equipment OEM's, their dealers and battery distributors. Current products include advanced battery packs for motive power in the lift equipment and airport ground support markets.

Job Summary:

We have a terrific opportunity for a Mechanical Engineer. Using your initiative, enthusiasm, experience and engineering background, you will be responsible for leading all aspects of battery system mechanical and electrical design and development including architecture, safety, structural, documentation, assembly, and testing. This is an opportunity to be an early team member in an innovative, thriving and ambitious company. Please submit your resume, a brief cover letter explaining your suitability for the position and your salary requirements to jobs@fluxpower.com.

Position Responsibilities:

- Independently perform investigations to determine root cause which may result in recommendations for quality, and assembly improvements as well as rework to correct product conformance deficiencies
- Assure system and product quality by designing testing methods; testing finished- product and system capabilities; confirming fabrication, assembly, and installation processes
- Design and develop battery system solutions such as battery module architecture, BMS enclosures, load boxes, etc.
- Lead the mechanical integration of cells, electromechanical components, and hardware
- Build prototypes and test (in-house and field) those prototypes
- Statistical analysis of test data to arrive at appropriate final design adjustments
- Participation in project schedule creation
- Participation in brainstorming of best ideas and solutions
- Providing clear, concise, accurate and timely updates to project and department management
- Supporting our in-house assembly department from pre-pilot through production stabilization
- Application of LEAN Six Sigma and 5S methodologies for continuous improvement of manufacturing as well as operation business processes
- Domestic travel to commission and support new product sales / demos (up to 20%)

Requirements

- Bachelor's or Master's Degree in Mechanical Engineering or equivalent combination of education and experience.
- A minimum of 5 years related experience
- Must be capable of making independent technical contributions from multiple engineering disciplines.
- Must have strong communication, interpersonal and collaboration skills. Must be highly motivated and result oriented.
- Must be detail oriented and possess strong organizational skills.
- Ability to work individually or in a team environment.
- Some small company experience that has included "multiple role" experience.

- Working experience in Design or Manufacturing Engineering: 3 years (Required)
- Familiarity with using SolidWorks in a business environment
- Knowledge of high-volume manufacturing processes and/or automation
- Demonstrated ability to own an assignment and see it through to completion
- Comfortable working on cross-functional teams of mechanical, electrical and software engineers and able to collaborate effectively and efficiently
- Proficient in Excel and basic mechanical/electrical calculations

Benefits

- Medical, dental and vision insurance options
- 401K Plan
- Life Insurance
- Paid Time Off
- Holidays