

XP Power is a major supplier of critical power conversion technology to the medical, technology, industrial markets. We are a fast-growing company listed on the London Stock Exchange. We are looking for self-motivated professionals who thrive in dynamic environments. We are proud of and committed to our culture that values Customer Focus, Flexibility, Knowledge, Speed, and Integrity. Joining our team means you will work in a high performing global company where employees collaborate and strive for excellence.

Job Title: Power Supply Engineer

Reports to: David Manner

Location: Jackson, CA

Employment Type: Full time

Position Summary:

Responsible for developing advanced high voltage (1KB to 30KV) power supplies, including:

- Developing high voltage circuits
- Modifying and evaluating existing designs, electronic parts, components or integrated circuitry for electronic equipment.
- Determines design approaches and parameters.
- Analyses equipment to establish operating data, conducts experimental tests and evaluates results.
- Selects components and equipment based on analysis of specifications and reliability.
- May also review vendor capability to support development.

Key Responsibilities:

- Design of DC/DC high voltage switch mode power supplies utilizing various circuit topologies.
- Interpret customer and marketing requirements for new or modified products.
- Performs electrical design and coordinates the activities for PCB, mechanical design, documentation, safe agency approvals and release of designs to manufacture.
- Electrical design of new and modified high voltage products. Ensure product designs are designed for manufacturing (DFM).
- Coordinate PCB and mechanical design
- Performs cost analysis and produces cost estimates
- Performs complex ESS and FAT test for the qualification of products.
- Troubleshoots circuits as required.
- Performs other duties and responsibilities when required.
- Performs reliability prediction calculations and reports.
- Responsible for root causes analysis on products and technical problems.
- Responsible for implementing preventive and corrective action.
- Prepares user related documentation relative to products and components.

Key Qualifications and Skills:

- Knowledge of magnetics concepts and magnetic components used in power supplies.
- Working knowledge of circuit design and simulation.
- Experience with high voltage electronic packaging.
- Knowledge of potting and encapsulation of high voltage circuits.
- Thorough understanding of control loops.
- Familiarity with ISO standards.
- Familiarity with EMI compliance.
- Familiarity with UL and CE standards.
- Familiarity with process design.
- Familiarity with automated test equipment (ATE).
- Ability to complete tasks with minimum supervision in a fast-paced work environment.
- Excellent math aptitude. Excellent written and verbal communication skills.

Education and / or Experience:

- Bachelor's degree in a relevant technical field, and five years of job-related experience.

Benefits:

- 100% Employer Paid Medical, Dental and Vision Insurance for Full-time Employees
- Annual Profit Sharing Bonus (Percentage dependent on company profitability)
- Company 401(k) Match
- Paid Time Off (Accrual starts at 3 weeks per year and increase to 4 weeks during the 3rd year and 5 weeks during the 5th year)
- Company Paid Holidays (11 day per year)
- Paid Time for Volunteer Work (up to 8 hours per year)
- Employer Paid Supplemental Short-Term Disability Insurance (salary continuation up to 66 2/3%)
- Veterinary Pet Insurance
- Free Snacks (at most locations)
- Company social events held throughout the year
- A friendly culture that where people collaborate and strive for excellence

This is an outline job description and does not attempt to cover the many detained aspects inherent in the job.

Job holders will be expected to undertake similar or related duties and responsibilities to those listed.

Job Holder's Signature: _____

Date: _____

To apply, please send your resume with cover letter and salary expectation to:

Alexandra Galvez

HR Generalist

Email: vacancies@xppower.com

XP Power is an equal opportunities employer.