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Natron Energy delivers battery technology breakthroughs that enable the world's fastest growing industries: data centers, vehicle electrification, renewable energy, and materials handling. By offering high power, long lasting, safe battery systems, Natron solves problems for data services, electric vehicle fast charging, and other power services providers. Natron's products are based on a new sodium-ion technology that makes them totally stable –no risk of fire as in lithium-ion batteries. Natron recently launched its first product in the data center market and is now ramping up production 100x over the next two years. Natron recently closed its Series D funding round and is backed by nine leading venture and strategic investors.

Natron is seeking a Senior Electronics Engineer to support the full product cycle of its high-power battery systems for Data Center UPS and EV charging applications. The occupant of this position will work in a team of engineers to solve technical challenges associated with our energy storage products from initial prototyping to volume manufacturing. He or she will design, test, and validate power electronics boards, battery module configurations, power protection circuits, and battery management systems. This position requires extensive hands-on work and a do-whatever-it-takes attitude to get the job done.

Responsibilities:

- Understanding of industry and customer application requirements, and translating these into product design specifications.
- Formulate and specify product test requirements, especially as it relates to the electronics of the system.
- Cradle-to-grave ownership of electrical designs for Natron's product line of high-powered battery systems.
- Lead the design and testing of power electronic boards and subsystems to meet UL, telecom, and data center compliance requirements, in partnership with certification engineering team.
- Document designs with engineering models and schematics, and relevant electrical analyses to other teams and management.
- Work with Operations and Manufacturing Teams to meet cost targets and DFM through optimized design of electrical components and systems.
- Assist mechanical engineers with the physical layout of electrical components and busbars within battery packs and racks.
- Participate in FMEA for product designs.

Experience and Skills:

- Bachelor's or Master's degree in electrical engineering or related field.
- Over 5 years of experience in the design of high-power components / electrical systems (operating voltage from 400V to 600V).
- Experience with batteries, fuels cells, solar modules, UPS systems, or other energy generation / storage products is required.
- Experience with high speed, multi-layer PCB design and assembly with proficiency in CAD tools (e.g., Altium Designer, PSpice) for schematic capture, circuit simulation, and layout.
- Experience with EMI/EMC design, validation testing, ESD and latch-up testing, and functional safety (i.e., fail-safe design).
- Prior experience supporting UL, CSA, or equivalent certification processes is a plus.
- Demonstrated experience working successfully with across an engineering organization and internal stakeholders.

- Familiarity with development phases and engineering change processes.
- Experience with designs going into commercial production.
- Bachelor's or Master's degree, in engineering, preferably electrical, mechanical, or related field.
- Excellent verbal and written communication skills.

Logistics:

- This is a regular, full time position.
- Employee must work on-site in Santa Clara, CA.
- Compensation is competitive with other Bay Area Systems Engineering positions.

Contact Information:

- jobs@natron.energy