



February 25, 2020

Only three rechargeable battery chemistries have been commoditized in the past two centuries. Natron Energy has delivered the fourth. Our products enable solutions for next-gen power services in multi-\$Billion markets including data centers, EV fast charging, materials handling, and heavy industry. Natron's batteries offer breakthrough performance in three metrics critical to these markets: ultra high power capability including full discharge and recharge in minutes, an unmatched service life of tens of thousands of deep discharge cycles, and unique safety and fault tolerance including no thermal runaways. Natron's batteries are based on a new sodium-ion chemistry that includes Prussian blue electrodes, and are fabricated in existing lithium-ion plants. Natron launched its first product for data center customers in Q4 2019, and is backed by seven 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 person will focus on system level design and integration of battery modules and electrical components within battery packs and customer end products. This position requires extensive hands-on work and a do-whatever-it-takes attitude to get the job done.

Responsibilities:

- 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 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.

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.
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- 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.

Logistics:

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

Contact Information:

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