

Mechanical Engineer

EC Power is in an exciting period of growth after revealing our unparalleled fast-charging and cold-weather capabilities to the world and we want you to come and build on that success. As a company, we value our employee's creativity and problem-solving grit, and we strive to make sure that it is always acknowledged and awarded. We set you up for success, because we know that you will be the key to our success.

EC Power is seeking a knowledgeable and motivated mechanical engineer with experience in design of thermal management systems and preferably with a working knowledge of battery systems. This will be a multi-functional position that will supply a great opportunity for growth and the chance to help shape the direction of a young and exciting startup.

In this position you will:

- Assist with and sometimes lead the design of low voltage battery modules.
- Assist in weight and cost control efforts in the development of new products.
- Create product drawings and work with vendors for the fabrication of custom components during pilot production runs.
- Lead design reviews and implement necessary changes to meet customer requirements.
- Work with the manufacturing and design team to ensure manufacturability of new designs.
- Perform failure analysis and root cause analysis and implement corrective actions.
- Assist with the building of custom manufacturing equipment as needed.
- Help with the development of process controls and control strategies for manufacturing.

Qualifications/Desired Experience:

- B.S. or M.S. degree in mechanical engineering with at least 3 years of industrial experience.
- Demonstrated ability to learn new equipment quickly, including the troubleshooting of custom-built/purpose-built systems.
- Previous experience and demonstrated success working under tight deadlines.
- Knowledge of Li-ion batteries and the involved manufacturing processes.
- Demonstrated abilities with CAE software such as Star-CCM+, Ansys, COMSOL, GT-SUITE, etc.
- Experience with circuit board design is a plus.
- U.S. Citizenship or lawful permanent residence is a plus.

Compensation: Expected salary range: \$70-100k. A relocation package will be provided if applicable: position is in State College, Pennsylvania, home of Penn State University.

Interested applicants should send a cover letter and resume to careers@ecpowergroup.com.

EC Power is proud to be an equal opportunity employer and makes all hiring decisions based purely upon merit and alignment of skills and experience to the job description. EC Power does not discriminate based on race, color, religion, gender, gender identity, sexual orientation, veteran status, disability status, or other legally protected status. Upon hiring, we do not tolerate any form of harassment based on these statuses.