



Opening for Senior Power Electronics Engineer (Hardware or Firmware)

Phobos Energy is an exciting startup focused on power electronics and data monitoring for solar photovoltaic (PV) power systems. Our products include ground-breaking technology developed at CU Boulder that increases the power output of PV systems while also making those systems dramatically easier to design and install. We have a world-class team of founders with an exciting company story, unparalleled technology, a fast-growing market, and a solid product roadmap.

We work hard and play hard. Make no mistake, this is an aggressive, fast-paced startup and we'll do whatever it takes to succeed. The company is currently self-funded, but we're on track to raise our series A in the near future. This is a ground floor opportunity with huge growth potential.

To join the team you must be a self-starter and an excellent team player. We're looking for people who can hit the ground running and have the motivation and ability to tackle whatever tasks are needed to drive the success of the company. You should have the ability to assume senior roles – either managerial or technical – as the company advances.

Below you'll find a description of your responsibilities and desired qualifications:

Position: Senior Power Electronics Engineer (Hardware or Firmware)

Location: Boulder, Colorado

Compensation: Equity until we're funded, then commensurate with experience

Responsibilities: Key member of the technical staff. Own and drive the development of a next-generation power electronics platform for optimization of solar modules.

For the hardware position: Design DC-DC power conversion circuitry and magnetics. Work closely with firmware developers, enclosure designers, communications engineers, and contract manufacturers to create a high efficiency, high quality product.

For the firmware position: Take ownership of all design firmware including peak power tracking, safety features, and communications. Simulate all system functions in MATLAB.

Experience:

- 7+ years
- **Required: experience with power electronics and high-volume PCB-based designs**
- Strongly preferred:
 - Experience bringing high-reliability, high-volume products to market
 - Experience designing outdoor products for use in harsh environments, including accelerated life testing and compliance certification
- Preferred:
 - Experience with solar and utility products
 - Experience with startup companies

Education: BS or MS in EE preferred