



Solectria Renewables is America's leading manufacturer of high power photovoltaic inverters for solar applications. Join a driven and innovative team working in a fast paced and challenging high technology environment. Let your talent fuel one of the nation's fastest growing industries. We offer an excellent benefit package, the ability to work with cutting edge technology, and room for professional growth and career advancement within the company. Solectria Renewables is an Equal Opportunity Employer. Qualified candidates should send their resume and a detailed cover letter to: [HumanResources@solren.com](mailto:HumanResources@solren.com)

## POSITION DESCRIPTION

TITLE: **Electrical Engineering Intern**  
SUPERVISOR: **Engineering Manager**  
CLASSIFICATION: **Non-Exempt, full-time**  
LOCATION: **Lawrence, MA**

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### Job Responsibilities:

1. Many different aspects of circuit design and validation for high performance inverter systems.
2. Possible hardware design project areas: DSP Processor based systems, high voltage designs up to 2kV, power stage development, safety circuits, magnetics, gate drive circuitry, control circuitry, and other aspects of power electronics.
3. Opportunity to work through complete product design cycle including: Validation testing, system certification, HALT, Thermal testing, EMI testing, UL Listing, and CE conformance.
4. Possibility to work in areas of embedded software programming depending upon aptitude and interest.

### Initial Tasks:

1. Evaluate communications interference during high noise conditions, propose system/circuit updates to maximize communications reliability, and update design based upon guidance from senior engineers.
2. Component electrical margin analysis, to determine worst case stresses and lifetime effects.

This position will provide the intern with the opportunity to make a significant impact on product designs. This is an excellent opportunity to learn, and receive guidance from top engineers in the PV inverter industry.