

Yaskawa – Solectria Solar, a wholly-owned subsidiary of Yaskawa America, Inc., is the largest commercial inverter manufacturer in the U.S. Solectria's products includes 3.8 to 750 kW inverters, string combiners and web-based monitoring for all size solar systems. We offer a friendly work environment, great benefits, the ability to work with cutting edge technology and the chance to work with an innovative and dynamic team. We are conveniently located off I-495 in the Riverwalk complex. To apply for this or any other position, e-mail your resume to [hr@solectria.com](mailto:hr@solectria.com).

## POSITION DESCRIPTION

TITLE: **Engineering Technician**  
SUPERVISOR: **Design Validation Manager**  
CLASSIFICATION: **Non-Exempt, Full-Time**  
LOCATION: **Lawrence, MA**  
REF CODE: **ENG-2016-199**

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## DUTIES:

1. Rapid prototyping of high voltage, high power electrical circuits
2. Rapid prototyping of mechanical fixtures and assemblies
3. Ability to follow the most complex verbal or documented rework/repair instructions with little to no assistance
4. Perform hand soldering by utilizing a microscope to remove, install, align and straighten parts; rework damaged circuitry employing all acceptable practices and/or methods
5. Prototype builds of new inverter models
6. Wiring/assembly of test setups
7. Compliance testing and test reports under satellite lab procedures
8. Support evaluation of alternate components for inverter systems
9. Assist in failure analysis process of electronic circuits and assemblies
10. Support field testing and critical field issues as the need arises, travel up to 20%
11. Test equipment inventory and conformance control
12. Power laboratory upkeep
13. Other duties as assigned

## REQUIREMENTS:

1. Outstanding multi-tasking skills: the job will entail many tasks and rapidly changing priorities
2. Ability to quickly follow written and oral direction in a prototype environment
3. Ability to read electrical schematics and mechanical drawings
4. Ability to create written test reports
5. Hands-on experience with hand and measurement tools (meters, oscilloscopes)
6. Highly self-motivated, must be able to adapt to the situation and take action to keep projects moving forward
7. Ability to lift 50 pounds from ground level to table top, up to 10 times per day
8. Excellent judgment to insure electrical safety; prior safety training a big plus
9. IPC soldering certification desired
10. IPC wiring certification desired
11. Previous experience troubleshooting to component level failure a big plus