

**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:** Senior Test Engineer – Inverter  
**SUPERVISOR:** Design Validation Manager  
**CLASSIFICATION:** Exempt, Full-Time  
**LOCATION:** Lawrence, MA  
**JOB CODE:** ENG-2017-208

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### DUTIES:

1. Develop and execute test procedures for testing Inverters and associated sub-systems' design in a fast paced R&D environment
2. Compile, assess and analyze validation test data and drive improvements with design engineering team
3. Execute compliance test of inverters and sub-systems towards product listing and release
4. Develop and maintain automated and manual test fixtures for inverter design validation test
5. Responsible for the test results platform, design the inverter test reports, provide certified test reports to customers
6. Train new employees on various inverter test procedures; cross train fast growing inverter test team, provides technical support to our inverter test technician team, audit test procedures periodically
7. Participate in design engineering process and quality improvement activities such as PFMEA for new inverter designs
8. Suggest new processes to enhance overall yield, increase throughput
9. Other duties as assigned

### REQUIREMENTS:

1. BS in engineering discipline and minimum 6 years related experience, or MS in engineering discipline with 3 years related experience
2. Previous experience with inverters, high power electrical power systems, PCB, or AC drives required
3. Demonstrated troubleshooting and analytical skills
4. Demonstrated strong technical documentation skills
5. Proficiency with scopes, power analyzers, thermal cameras, Microsoft office tools
6. Product agency certification for IEEE, UL, CE, FCC, etc. is a big plus
7. Experience with automated test equipment design and development a plus
8. Experience with reading and understanding computer languages such as C/C++ a plus
9. Detail oriented and Safety conscious; NFPA 70E certification a plus
10. Ability to recognize priorities for rapid results, demonstrated planning skill
11. Self-driven and able to maintain own schedule and multi-task
12. Excellent oral and written communication skills
13. Willingness to travel up to 10% of the time.