



Solar Ware Samurai Initial Responder and Parts Replacement Training

Technical training course covering basic operation and hands-on training for O&M providers, qualified client engineers, and 3rd party service providers.

Location: Roanoke, Virginia

- 3 day training course for engineering and maintenance personnel
- Inverter and Solar Ware® System Hardware and software operation, maintenance, and troubleshooting
- Hands-on classroom and lab exercises
- Presented by experienced industry service engineers

Students will learn:

- ✓ Fundamentals of operation of the TMEIC inverter and Solar Ware® System
- ✓ Use of the Touch Screen user interface
- ✓ To recognize normal and abnormal operation
- ✓ To troubleshoot faults
- ✓ To identify and replace defective parts
- ✓ Preventive Maintenance procedures
- ✓ TMEIC Warranty processes

Cost:
\$4,000.00 per person

Registration fees are non-cancellable and non-refundable unless notified at least one week prior to the class start date.

The class does not cover the installation of the equipment.

[See Schedule](#)

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Who should attend?

Qualified Engineers and Technicians involved in the operation, maintenance, and troubleshooting of photovoltaic systems will benefit from this course.

Course Overview

TMEIC Solar Ware® Operations and Maintenance training is a 3 day course which includes a combination of classroom lecture and hands-on training. At the completion of the course, the student will have a basic understanding of the operation and maintenance of the TMEIC PV Inverter and Solar Ware® Systems. The student will be able to provide technician level troubleshooting of basic faults and replacement of parts such as circuit breakers, AC/DC fuses, circuit boards and cooling fans. Preventative maintenance procedures will be covered and the TMEIC warranty processes will be reviewed. The student will receive a Certificate of Achievement when the class is completed. Note – this course covers operation and maintenance of our inverters by the end user or service provider.

This class does not cover installation and commissioning of the equipment.

Prerequisites

- A basic knowledge of electrical concepts.
- A basic working knowledge of utility scale photovoltaic inverter systems
- A working knowledge of sound safety procedures
- A signed EHS statement plus supporting certificates must be received by TMEIC Client Training before training commences. EHS Agreement.
- Proper signed agreements- Self-Perform or Authorized Service Provider.

Typical Agenda

Day One

- Introduction to TMEIC inverters maintenance and troubleshooting
- Solar Ware® System details and station troubleshooting
- Inverter operation details

Day Two

- Inverter maintenance and preventive maintenance
- Inverter parts replacement
- Inverter troubleshooting

Day Three

- Warranty processes
- Q&A and general discussion

Student Materials

- Class presentation documents
- Technical Manuals
- Sample electrical drawings

For more information please contact:

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Email: training@tmeic.com

[See Schedule](#)

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Topics

- Introduction to TMEIC Power Electronics Equipment
- Walk-through of hardware components/power flow
- 1500V PV Inverter Installation Manual
- 1500V PV Inverter Instruction Manual
- 1500V PV Recombiner Manual
- Inverter Operations Quick Guide
- Inverter De-energization/ Samurai Skid LOTO
- Grounding MOP
- GFDI Fuse Replacement MOP Inverter/ Recombiner
- RCB Interface Review
- Inverter P/N/C Fuse Replacement
- Inverter AC Fuse Replacement
- Review of hardware components and electrical drawings
- Review of Inverter De-energization/ Samurai Skid LOTO
- Review of Grounding MOP
- Review of GFDI Fuse Replacement MOP Inverter/Recombiner
- Review of Inverter P/N/C Fuse Replacement
- Review of Inverter AC Fuse Replacement
- Fan Replacement MOP
- Fan Replacement Experiential Learning Module
- ACB Trip Unit Replacement MOP
- CT Experiential Learning Module
- Inverter CT Replacement MOP
- Recombiner CT Replacement MOP
- Grid HCT Replacement MOP
- CT Replacement Experiential Learning Module
- Bleed Off Resistor Replacement MOP
- Bleed Off Resistor Experiential Learning Module
- SPD Replacement MOP
- SPD Replacement Experiential Learning Module
- Ambient Temperature Sensor Replacement MOP
- Ambient Temperature Sensor Replacement Experiential Learning Module
- Fan Contactor MOP for Replacement
- Fan Contactor Experiential Learning Module
- Lantronix Module MOP for Replacement
- Lantronix Module Replacement Experiential Learning Module
- PCB MOPs for Replacement
- PCB Replacement Experiential Learning Module
- Heat Exchanger MOP for Replacement
- Heat Exchanger Experiential
- AC Breaker MOP for Replacement
- AC Breaker Experiential Learning Module
- Review of Technical Services Team and Case Generation

[See Schedule](#)

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