

Operations & Maintenance Training

Solar Ware® Samurai

Solar Ware Ninja™

Currently available in North America only



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
- Certificate of Achievement awarded upon successful completion of the class

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

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Solar Ware® Operations and Maintenance Training

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 working knowledge of photovoltaic inverter systems
- A working knowledge of sound safety procedures
- Course materials will be presented in English

Student Materials

A notebook with paper and electronic copies of the following materials are part of the course package:

- Class presentation documents
- Technical Manuals
- Sample electrical drawings

Topics

- Introduction to TMEIC Power Electronics Equipment
- Photovoltaic Generation Systems – Basic concepts
- Description and definition of terminology & acronyms used
- Hardware Introduction and overview of the inverter and DC Cabinet
- System Topology and One-line drawings
- DC Recombiner
- Input/output terminal connections
- Use of the Touchscreen user interface
- Network Communications
- Software Structure and Control Strategy
- The Solar Ware® Main Site Controller
- Grid connection
- Protective Functions
- Troubleshooting - Fault Analysis, fault event log, and Waveform acquisition
- Preventative Maintenance
- TMEIC Warranty Process

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

For more information please contact:

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