

Solar PV Installation Training System

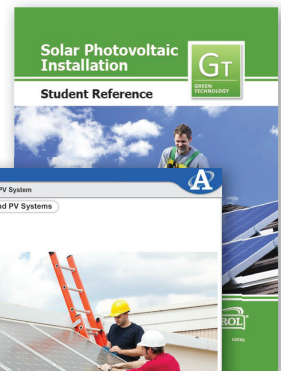
950-SPF1

GT

GREEN
TECHNOLOGY



950-SPF1



Interactive Multimedia Curriculum
and Student Reference Guide

Learning Topics:

- Mechanical P V Installation
- Electrical PV Installation
- Installation and Commission of Stand-alone PV Systems
- Installation and Commission of Grid Interactive PV Systems
- Site Assessment and Permitting
- Array Site Analysis
- Circuit Voltage and Current Calculation
- Wire Selection and Sizing
- Installation and Grounding of Conduit and Enclosures
- Inverters Output Circuit Wiring
- Storage/Inventory of Clamp Meter and Digital Meter;
- Lighting and Surge Protection

Amatrol's Solar PV Installation Training System (950-SPF1) covers industry-relevant skills required for solar photovoltaic installation. The 950-SPF1 Solar Photovoltaic Installation Learning System teaches students the installation and commissioning of grid interactive and stand-alone photovoltaic systems for commercial and residential applications. The 950-SPF1 helps to prepare students for successful employment in the solar photovoltaic industry field.

This 950-SPF1 includes a mobile workstation with solar photovoltaic components. The mobile workstation is equipped with silkscreened labels for component identification; storage/inventory of clamp meter; digital meter; and storage for consumables, including wire and conduit, directly at the workstation. Students will learn how to develop and implement a site layout; calculate PV circuit voltage and currents; select and install wiring; and install real world components in PV systems, just as they would do on the job. All Amatrol products are made from top-notch materials and carefully crafted to create tough, attractive, well designed learning systems that facilitate learning and will serve teachers and students for years.



Technical Data

Complete technical specifications available upon request.

Mobile Technology Workstation
Component Panel
DC Disconnect
AC Disconnect
Battery Bank
Combiner Box
Inverter
Charge Controller
Ancillary Component Package
Multimedia Curriculum (M20105)
Teacher's Assessment Guide (C20105)
Installation Guide (D20105)
Student Reference Guide (H20105)
Additional Requirements:

Computer, see requirements: <http://www.amatrol.com/support/computer-requirements>
Solar PV Array Station (95-SPA1)
Solar PV Hand Tool Package (41207)
Consumables Package (20180)

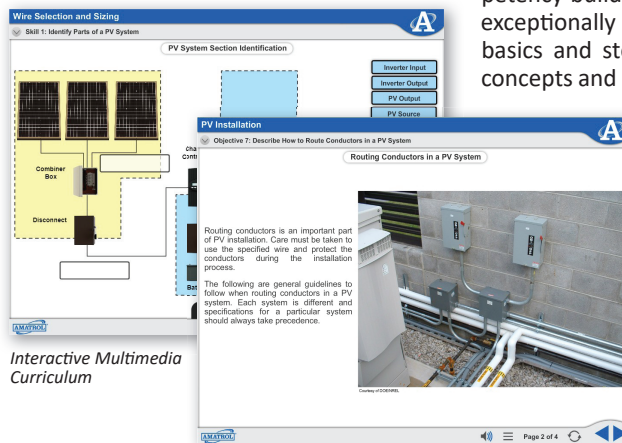
Real-World Training for Commissioning of Photovoltaic Systems

This Solar PV Installation Training System uses industrial quality components that support the learning necessary to prepare for portions of North American Board of Certified Energy Practitioners certification and helps to prepare students for successful employment in the solar photovoltaic industry field. Learners identify and analyze sites for array locations; develop and implement a site layout; choose, cut, strip, and connect wire; install real world components in a PV system; and install stand-alone and grid interactive PV systems, just as they would do on the job.



Solar PV Installation Curriculum Offers Unparalleled Training

This learning system also offers Amatrol's world-class Multimedia curriculum, which combines strong theoretical knowledge and concepts with hands-on skills for the best industrial competency-building on the market. This thorough, exceptionally detailed curriculum starts with the basics and steadily advances to more complex concepts and skills. The 950-SPF1 teaches how to use a clamp-on meter, digital meter, wire consumables storage, and vertical component installation panel to install and commission both grid interactive and standalone photovoltaic systems for commercial and residential systems.



Interactive Multimedia Curriculum

Student Reference Guide

A sample copy of the Solar PV Installation Student Reference Guide is also included with the system for your evaluation, with Multimedia. Sourced from the system's curriculum, the Student Reference Guide takes the entire series' technical content contained in the learning objectives and combines them into one perfectly-bound book. Student Reference Guides supplement this course by providing a condensed, inexpensive reference tool that learners will find invaluable once they finish their training making it the perfect course takeaway.

