

PHOTOVOLTAIC INSTALLERS TRAINER



Hampden[®]
ENGINEERING CORPORATION

Hampden Equipment Supports

North American Board of
NABCEP
Certified Energy Practitioners[®] Certifications

ANSI Quality Excellence Institute
ANAB
ACCREDITED
MANAGEMENT SYSTEMS
CERTIFICATION BODY
ISO 9001:2015



Photovoltaic Installers Trainer from *Hampden*®

GET THE H-PVIT-1 FOR REAL-WORLD HANDS-ON APPLICATIONS APPLIED TO THE CLASSROOM

DC Combiner Box

DC Lightning Arrestor

System Control Panel

Inverter Charger

Power Distribution Box

Solar Charge Controller

Disconnect

Watt Hour Meter

Power Cord and Rack

1 Inch Table

Load Center

Receptacle

Duplex

Solar Panels (4 Behind Unit)

#10 Wire (4 Rolls)

Batteries (4 Inside Enclosure)

Battery Enclosure

Tool Box w/ Hardware

The Hampden **Model H-PVIT-1 Photovoltaic Installers Trainer** has been designed with the latest Industrial/Commercial components available. The trainer will provide the necessary training in completing a fully functioning, grid-tied solar electric system. This system will have the capability to be fully monitored and controlled.

The Hampden **Model H-PVIT-1 Photovoltaic Installers Trainer** consists of:

- Solar Modules
- Combiner Box
- Lightning Arrestor
- Solar Charge Controller
- System Control Panel
- Battery Enclosure
- Sealed Gel Cell Batteries (4)
- Power Distribution Panel
- Load Control
- Hybrid Inverter/Charger

Standard Products...Designed to Meet Your Growing Needs!

Photovoltaic Curriculum

- Chapter 1: An Overview of Photovoltaics
- Chapter 2: Photovoltaic Electric Principles
- Chapter 3: The Solar Resource
- Chapter 4: Electric Load Analysis
- Chapter 5: Photovoltaic Modules
- Chapter 6: Batteries
- Chapter 7: PV Controllers
- Chapter 8: Inverters
- Chapter 9: Photovoltaic System Wiring
- Chapter 10: Sizing Stand-alone PV Systems
- Chapter 11: Grid-tied PV Systems
- Chapter 12: Mounting Photovoltaic Modules
- Chapter 13: PV Applications for the Developing World
- Chapter 14: System Installation
- Chapter 15: Maintenance and Troubleshooting
- Chapter 16: Installation Safety

H-SPT-AC-1A

Solar Photovoltaic Trainer (front view)



H-SPT-AC-1A

Solar Photovoltaic Trainer (back view)



Hampden is committed to providing industry-leading technology.

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