

Solar Photovoltaic System 「PT-SPS-N10」



Features

- To study principle and composition of a solar photovoltaic system.
- Selective 2-Way light source.
- Possible to practice 2 kind of inverter.
- Provide a systematic training contents.
- Package Analysis Program, [GREEN PV AP SPS N10]
(Real Time Monitoring & Measurement & Analysis)



[GREEN PV AP SPS N10]

Specification

- Photovoltaic Cell & Solar Simulator
 - Photovoltaic Cell
 - Pmax : 10[W] x 2Ea
 - Temperature & Radiation Sensor
- System Analysis & Measurement Controller
 - External Display Port
 - Size : 12.1"
- System Analysis Program
 - Radiation, I-V and V-P Characteristic Graph
 - Data Save Function
- Load System
 - LED Lamp
 - Virtual Air Conditioner & Washing Machine
- Size
 - 645(W) X 485(D) X 1960(H)mm
- Grid-Connected Inverter System
 - Capacity : 500[W]
 - Inverter Output & Connected Voltage
 - 1Phase, AC 220[V] $\pm 3\%$
 - Control Method : MPPT control
- Stand-Alone Inverter System
 - Capacity : 500[W] $\pm 10\%$
 - Battery : DC 12[V] / 7[Ah]
- Multi Function Power DATA Measurement System
 - Voltage / Current / Active, Reactive Power
 - Power Factor / Frequency / Power Generation
 - Real Time Monitoring Function
- Communication
 - PC Interface
 - Display : LCD Type

Training Contents

- Measurement of a Photovoltaic System
- By-Pass Diode Characteristic
- Battery System
- Stand-Alone Inverter System
- Load Characteristic of a Photovoltaic System
- Characteristic Curves of a Photovoltaic System
- PV System Design
- Grid-Connected Inverter System

Accessory

- Training Manual : 1Copy
- Power Cable : 1Ea
- Banana Plug : 1Set
- Analysis Program [GREEN PV AP SPS N10] : 1Copy