

Product Name :
Solar Power Generator Training System

Product Code :
CIVIL-SPG-104-0001



Description :

Solar Power Generator Training System

Technical Specification :

I. Product Description

The solar power generator training system consists of a photovoltaic power system, photovoltaic power supply system, the inverter and the load system, and monitoring system components. It uses a modular structure, and each device and systems has independent

functions, which can then be put together for a solar composition generation training system.

II. Features of the Solar Power Generator Training System

1. This system uses a three-dimensional structure and standard patchboard. The experiment modular is fully exposed, allowing students to complete training quickly, and the closed mode control mode makes operation more efficient.
2. The wind-photovoltaic complementary training system uses an ARM control system. As a high-performance control type, it can fully and intelligently control the battery charging & discharge and draught fan brake.
3. Off-grid inverter module boot the front end of an 8-bit MCU driving control, and the front and rear axles output imported MOS FET for a more stable performance. We can provide a stable learning process 220V pure sine wave AC power.
4. The wind-photovoltaic complementary training system can be freely moved and dismounted by students, and there is no noise and no pollution.

III. Parameters of the Solar Power Generator Training System

Dimension: Photovoltaic power unit 1610×1010×1550mm

Training cabinet 3200×650×2000mm

Training Content

- 1) Off-grid wind and solar power system planning
- 2) Select, install and connect the photovoltaic cell component according to the power requirements
- 3) Battery capacity matching calculation and selection
- 4) Battery charge and discharge parameters and protection parameter settings
- 5) Inverter parameters setting
- 6) Monitoring system configuration and operation
- 7) Photovoltaic power supply system debugging
- 8) Power quality monitoring, debugging and analysis

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