Product name:	Product code:
Solar Power Generator Training System	CIVIL-SPG-104-0001



Description

Solar Power Generator Training System

Technical specification

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

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.

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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