



DLXNY-ST02 Solar Power Generation Experiment Platform

Overview

- Solar photovoltaic teaching experimental platform consists of a solar cell module modules, battery modules, solar tracking system, environmental monitoring systems, solar testing systems, solar power systems and solar inverter applications (load regulation control module), the monitoring instrumentation module, PC machine monitoring modules and other components. Specifically satisfy solar cell performance test and photovoltaic application teaching requirements of new energy professional at the higher education and vocational education.

Technical Parameter

- Solar cell panel
Quantity: 4 pcs

Open-circuit voltage: 21.5V (parallel connection), (series connection)

Short-circuit current: (parallel connection),0.72A (series connection)

- Automatic tracking unit

Biaxial automatic tracking Precision: 0.5°

Horizontal rotation angle: 360° Elevation angle: 180°

- Illuminometer

Measuring range: 200Lx, 2000Lx, 20KLx, 200KLx automatic gear shifting

Minimum resolution: 0.1Lx

Training object

- 1 Solar cell power generation principle experiment
- 2 photovoltaic panels energy conversion experiments
- 3 the environmental impact of photovoltaic conversion experiments
- 4 solar photovoltaic system directly load characteristics test
- 5 Solar controller working demo
- 6 reverse protection experiment
- 7 solar controller battery overcharge protection experiments
- 8 solar controller battery over-discharge protection experiments
- 9 anti-anti-charge at night experiment
- 10 off-grid inverter working demo
- 11 automatic tracking demonstration solar photovoltaic panels
- 12 Illuminometers use