



GENERAL EXPLANATION

The solar cell power supply and wiring diagram in this training set is useful for vocational students to study. This training set can show characteristics such as sunshine, battery capacity, AC and DC distribution, AC and DC loading.

EXPERIMENTS

1. Calculation of instantaneous electrical output power of solar cell
2. Determination of solar cell efficiency
3. Examining the change of solar cell power depending on angle

DIMENSIONS

Control Panel
A x B x H : 880 x 450 x 1500 mm

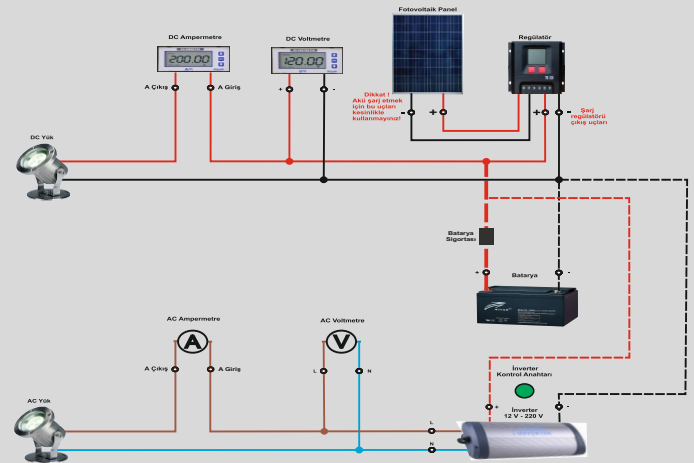
Solar Panel
A x B x H : 1270 x 750 x 1220 mm

OPTIONAL FEATURES

- Touch LCD Display
- USB Computer Connection
- Computer Control

TECHNICAL SPECIFICATION

Solar PV panels convert solar energy to DC (direct current) electricity. Behind the shining surface of a PV panel, semiconductor plates produce electricity using solar light (photons); this process is called photovoltaic effect. Other components in the system, such as the inverter and charge controller, also convert the electrical energy generated by the solar panels to the form that can be used by refrigerators, washing machines and other devices.



TECHNICAL DETAILS

- Solar panel
- System output voltage: 220 VAC (inverter)
- Fan
- Siren
- Lamp
- Dimmer lamp
- Halogen lamp
- Phase number: 1 (monophasic)

PACKAGE INCLUDED

Device, device cover, 1 printed experiment report, circuit diagram and product catalog