



GENERAL EXPLANATION

This training set is designed to teach the combined working system of simple wind turbines and photovoltaic panel circuit.

EXPERIMENTS

1. Wind turbine power generation-air velocity relationship
2. Calculation of turbine efficiency
3. Calculation of solar cell electrical capacity
4. Experimental study of solar cell angle dependent of current-angle change

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 1130 mm

Wind Turbine
A x B x H : 800 x 750 x 1595 mm

OPTIONAL FEATURES

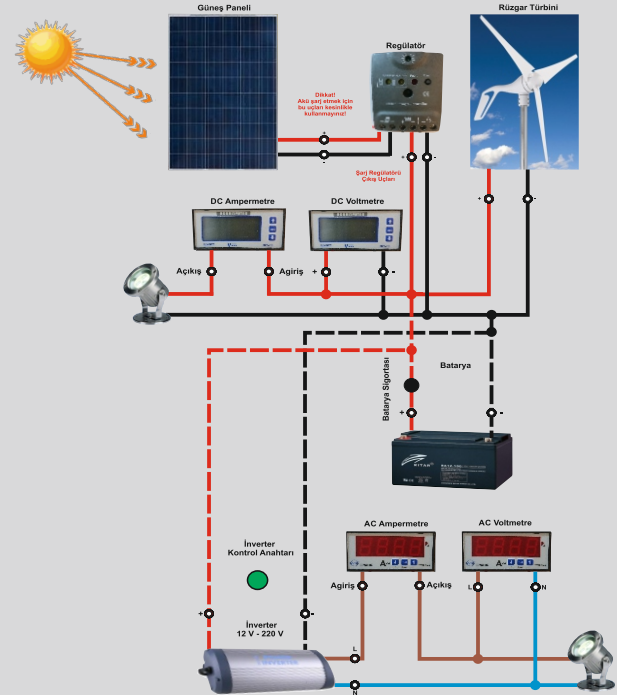
- Touch LCD Display
- USB Computer Connection
- Computer Control

PACKAGE INCLUDED

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

TECHNICAL SPECIFICATION

The combined training set teaches the connection of wind turbine and solar panel. Calculation the power generation and the efficiency of the wind turbine depend on the air velocity and the change of the power, efficiency and power of the solar cell is examined.



TECHNICAL DETAILS

- Wind turbine
- Solar panel
- Regulator
- Invertors
- Fan
- Siren
- Lamp
- Halogen lamp
- Battery