



GENERAL EXPLANATION

This training set is designed to teach the combined working system of tunnel type wind turbine and photovoltaic panel circuit.

EXPERIMENTS

1. Connection diagram of wind turbine and working principle with solar panel
2. Wind turbine power generation-air velocity relationship
3. Calculation of turbine efficiency
4. Calculation of solar cell electrical capacity
5. Finding solar cell efficiency
6. Experimental study of solar cell angle dependent of current-angle change

DIMENSIONS

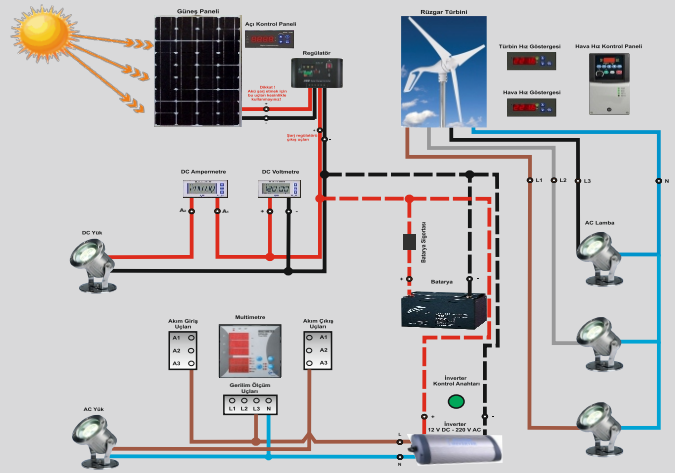
Control Panel
A x B x H : 880 x 450 x 1500 mm

Solar Panel
A x B x H : 1270 x 750 x 1130 mm

Turbin Type Wind Turbine
A x B x H : 1600 x 712 x 1750 mm

TECHNICAL SPECIFICATION

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



TECHNICAL DETAILS

- Tunnel type wind turbine
- Solar panel
- Regulator
- Invertors
- Battery
- Multimeter

OPTIONAL FEATURES

- Touch LCD Display
- USB Computer Connection
- Computer Control

PACKAGE INCLUDED

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