

Product Code . ILS-ELE-10659

Wind Energy Modular Trainer



Description

Training Objectives of Wind Energy Modular Trainer

- Alternating current wind energy installation.
- Identification of the components.
- Battery regulating and charging.
- Direct current wind energy installation.
- Complete system for wind energy.
- Installation and testing of the wind turbine.
- Installation and testing of the anemometer.
- Connecting the wind turbine and the anemometer to the trainer.




Technical Specification:-

- Anemometer and wind direction sensor mounted on a stand.
- A battery control module, 12V, 32A.

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- A load module. It includes two 12V lamps, dichroic 20W and LED 3W, with independent switches.
 - A supporting frame for the modules.
 - A battery.
 - A wind turbine, 160W, 12V.
 - A load module. It includes two mains voltage lamps, dichroic 35W and LED 3W, with independent switches.
 - A module for the measurement of: wind speed (m/s), wind direction (degrees), current up to 30V, $\pm 15A$ (two dc ammeters), voltage up to 30V and power up to 1000W.
 - A dc to ac converter module, with sinusoidal output at mains voltage. Average power: 300 W.

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