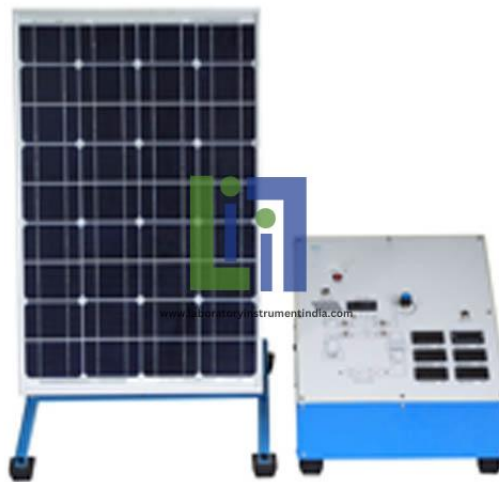




Email : sales@laboratoryinstrumentindia.com

Product Name :
Solar Energy Computer Interface

Product Code :
LBNY-0005-1840003



Description :

The Solar Energy Computer Interface unit consists of a solar panel on a tilting and rotating base, an inverter, a regulator, a storage battery, load circuit, a fan, lamp load, voltmeters and ammeters. Solar Energy Computer Interface is a bench mounted unit designed for a study of electricity generation from sunlight, storage and use of energy. The panel is mounted on a tilting and rotating base.

Experiments:

Current-voltage characteristics of solar panel.
Working principles of load regulator low unloading and overloading protection Principles of inverter.
Effect of shading on performance.
Effect of panel inclination on performance.

Technical Specification :

Solar panel : Monocrystalline, 60 w rating.
Voltmeters : 1 ea. DC and 1 ea AC.
Ammeters : 1 ea. DC and 1 ea AC.
Inverter : 1 ea.
Rheostat : 1 ea.
Regulator : 1 ea.
Battery : 1 ea.
Lamp loads : 5 ea.
Power supply : 220V 1 Ph, 50 Hz.
Others : Power outlet and lead wires.



Laboratory Instrument India