Product name:	Product code:
Grid Tied Solar Inverter Training Set	CMI-NP-2013



Description

Training set with PV array simulator and grid tie inverter showing synchronisation, anti-islanding and power export. Used for learning grid connected PV installation practices. The set demonstrates grid synchronisation and helps students observe inverter behaviour during mains failure.

Technical specification

Energy Meter	Single phase kWh
Protection	DC isolator, AC MCB
Power Supply	230 V AC, 50 Hz, single phase
Construction	Powder coated MS frame with laminated work surface and labelled terminals

Standard Accessories

- Patch cord set
- Instruction manual
- Experiment manual

The Grid Tied Solar Inverter Training Set is designed for ITI, polytechnic and TVET laboratories. The set demonstrates grid synchronisation and helps students observe inverter behaviour during mains failure.

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Features

- Simulation of PV array input
- Grid tie inverter with display
- Energy meter for export
- AC and DC isolators
- Anti-islanding demonstration

Technical Specifications

Inverter Rating	1 kW grid tie
PV Input	100-400 V DC
Output	230 V AC, 50 Hz
Efficiency	Above 95 percent