

NET METER ROOFTOP SOLAR BI-DIRECTIONAL SOLUTION

For Rooftop & Ground-Mount
Solar PV Application



Highlights

- Available in Single Phase & Three Phase as per BIS.
- AMR compatible unit for local and remote communication.
- Internal Battery Back up to Display Meter Data in power off event.
- kWh, kVAh measurement for import & export mode.
- History of energy consumption for Billing months.
- TOD wise, Daily & block load survey for profile Data availability.
- Self Diagnostic facility, Anti –Tamper/Event logging.
- Data download through optical Port & RS 232 port.
- Backlight LCD display.
- Minimum 200 Tamper event data.

* Features varies with respect to model selected



Application

- Import - export Electricity Measurement at interconnection points.
- Suitable for both On-Grid & Off-grid interconnection points.
- Net Electricity Measurement for Roof Top Solar, Wind & Other Renewable Power generation sources.

Benefits

- Single Metering unit for Bi-directional Energy Measurement.
- Separate Energy Registration for import & export.
- Net Energy calculation for Power credits.
- Designed & Developed, as per IS 13779, IS 14697.
- Accurate Energy Measurement CL-0.5, CL-1.0.
- Open Communication Protocol - DLMS as per IS 15959.

Technical Specification

Bi-directional ac Static Meter		
S.N.	Items	Technical Specification
Electrical		
01.	System	<ul style="list-style-type: none"> • Single phase (5-30A) • Single phase (10-60A) • Three phase (10-40A) • Three phase (10-60A) • Three phase LTCT -/5A • Three phase HTCT -/5A
02.	Accuracy	0.5 accuracy Class, as per IS 14697 1.0 accuracy Class, as per IS 13779
03.	Measuring Parameters	<ul style="list-style-type: none"> • Active, Reactive & Apparent Energy in both import & export mode • Signed Active, Reactive and Apparent power • Net Energy Calculation • Maximum Demand With Date & Time snap shots • Power On-off event logging • Last 12 month Billing Data • Daily (midnight) & every 15/30 Min Load profile Data • Anti – tamper and Event logging • TOD wise Data upto 8 configurable Tariff Zones True (4 Quadrant) Energy measurement in Three Phase Bi-Directional Meter
04.	Communication	Galvanically Isolated Optical Port and RS 232 port for remote communication

* Specification varies with respect to model selected

