



Bi-Directional (Net) Metering Solution

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 Power injection & drawl from/to Grid
- Net Energy calculation for Power credits
- Designed & Developed, as per CEA regulation 2006
- Accurate Energy Measurement, 1.0 accuracy class

Features

- AMR compatible unit for local and remote communication
- Internal Battery Back up to Display Meter Data in Power off event
- Both kW & kVA measurement for Import & Export mode
- History of Energy Consumption for Billing months
- ToU wise, Daily & every 30min load profile Data availability
- Configurability feature for ToU, Demand Integration (15/30/60Min) period etc
- Self Diagnostic facility, Anti-Tamper/Event logging
- "Genus-Urja", Base Computer Station Software, for user friendly Meter data
- display in Matrix & Graphical format
- MIS report generation through BCS

Technical Specification

Bi-Directional ac Static Watt-hour Meter		
S.N.	Items	Technical Specification
Electrical		
01.	System	<ul style="list-style-type: none"> • 1x240V, 10(60)A, 50Hz, 0-360° PF • 3x240v, 10(100)A, 50Hz, 0-360° PF
02.	Accuracy	1.0 accuracy Class, As per IS 13779
03.	Measuring Parameters	<ul style="list-style-type: none"> • Active & Apparent Power & Energy in both Import & Export mode • Net Energy Calculation • Maximum Demand with Date & Time snap shots • Power On-Off event logging • Last 6months Billing Data • ToU wise Data i.e. upto 8 configurable Tariff Zones • Daily(midnight) & every 15 / 30 / 60Min Load profile Data • Anti-Tamper and Event logging <p>True (4-Q) Energy measurement in Three Phase Bi-directional Meter</p>
04.	Communication	Galvanically Isolated Optical Port for Communication
Mechanical		
01.	Mounting	<ul style="list-style-type: none"> • Wall / Projection Mounting type 03Nos mounting holes • Key type hole at Top (back Side, inaccessible after mounting) & 02Nos at Bottom inside inaccessible once Terminal Cover is sealed
02.	Material	Non-inflammable High Grade Engineering plastic/polycarbonate
03.	Sealing Arrangement	<ul style="list-style-type: none"> • Ultra-Sonically welded Top and Base of the Meter • Sealable Optical & Terminal Cover



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