

# Technology of Measurement...

# defined



## NET Meter for Roof top Solar Bi-Directional 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 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

### Highlights

- 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



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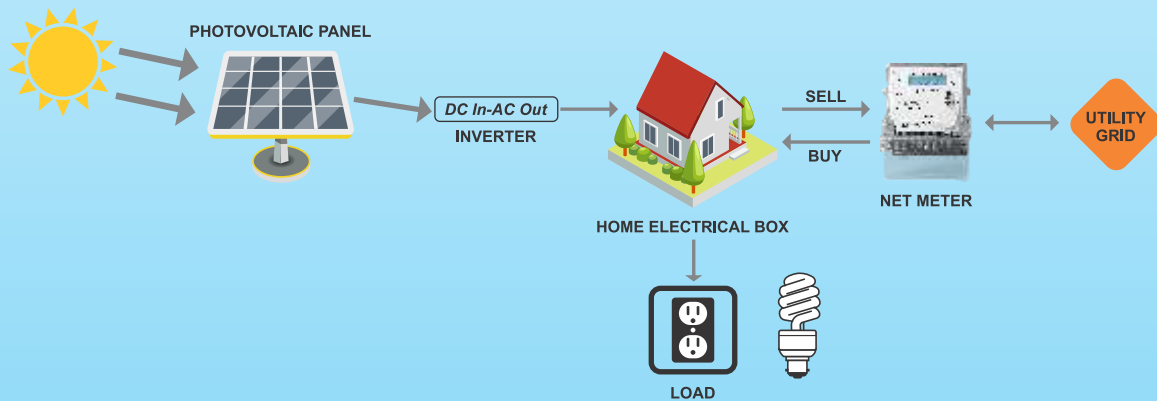




## Technical Specification

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

\* Specification varies with respect to model selected



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### HPL Electric & Power Ltd

Corp. Office : Windsor Business Park, B-1D, Sector-10,  
Noida, U.P. - 201301, INDIA

Tel.: +91-120-4656300, Fax: +91-120-4656333

Registered Office : 1/21, Asaf Ali Road, New Delhi - 110 002, INDIA.

E-mail : hpl@hplindia.com; enquiry@hplindia.com

**Customer Care No. :  
18004190198**

**www.hplindia.com**

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