

Enphase Envoy-S Metered +DRM

The **Enphase Envoy-S Metered™** communications gateway delivers solar production and energy consumption data to Enphase Enlighten™ monitoring and analysis software for comprehensive, remote maintenance and management of the Enphase System.

With production metering and consumption monitoring on up to three phases, Envoy-S is the platform for total energy management and integrates with the Enphase AC Battery™.



Smart

- Enables web-based monitoring and control
- Bidirectional communications for remote upgrades
- Power export limiting and phase imbalance management*
- AS/NZS 4777.2:2105 DRM (Demand Response Mode) ready*

Simple

- Easy system configuration using the Enphase Installer Toolkit™ mobile app
- Flexible networking with Wi-Fi, Ethernet, or mobile
- DIN rail mount

Reliable

- Designed for installation indoors or in an outdoor enclosure
- Five-year warranty

*When used with the Enphase S-Series Microinverter™ and/or Enphase AC Battery™.



Enphase Envoy-S Metered

MODEL NUMBER	
Envoy-S Metered + DRM ENV-S-WM-230	Enphase Envoy-S communications gateway with integrated PV and consumption metering. Includes two CTs (100A limit). Production and consumption meter: +/-1% accuracy.
ACCESSORIES (Order Separately)	
Current transformers (CTs) CT-100-SPLIT	Lead length 4 m, extendable to 213 m depending on wire type (see installation manual). WxHxD: 61 mm x 51 mm x 35 mm. Order extra CTs if monitoring multiple phases.
Enphase Mobile Connect™ CELLMODEM-02	Plug and play industrial grade mobile modem with five-year data plan for systems up to 60 microinverters. (Available where there is adequate mobile service in the installation area.)
Power line communications phase coupler LPC-01	Required for multiphase PV systems
POWER REQUIREMENTS	
Hardwired	230 VAC or 400Y/230 VAC, 50 Hz Max 20A over current protection required
CAPACITY	
Number of microinverters polled	Up to 600
MECHANICAL DATA	
Dimensions (WxHxD)	213 x 126 x 45 mm
Weight	0.5 kg
Ambient temperature range	-40° to 65° C -40° to 46° C if installed in an enclosure
Environmental rating	IP30. For installation indoors or in an IP54-rated (or better) enclosure.
Altitude	To 2000 meters
USB ports	Two USB 2.0 ports, auto-sensing, auto-negotiation
INTERNET CONNECTION OPTIONS	
Integrated Wi-Fi	802.11b/g/n (2.4 GHz, 5 GHz)
Ethernet	Optional, 802.3, Cat5E (or Cat 6) UTP Ethernet cable (not included)
Mobile	Optional, CELLMODEM-02 (not included)
COMPLIANCE	
Compliance	IEC/EN 61010-1:2010, EN50065-1, EN61000-4-5, EN61000-6-1, EN61000-6-2, C-Tick
ADVANCED FUNCTIONS¹	
Power export limiting	Configurable for zero export when installed with S-Series microinverters
Phase imbalance management	Configurable for phase imbalance management when installed with S-Series microinverters
DRM	Terminal block connections for Demand Response Enabling Device (DRED)

1. Software upgrade may be required for advanced function support.

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