

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.

To learn more about Enphase offerings, visit enphase.com/au