

Enphase Envoy-S Metered Multiphase

The Enphase Envoy-S Metered Multiphase™

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 upgrade

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



Enphase Envoy-S Metered Multiphase

| MODEL NUMBER | |
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| Envoy-S Metered Multiphase 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 | 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 |

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