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

| Enphase Envoy-S Metered + DRM | ENV-S-WM-230
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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) | Lead length 4 m, extendable to 213 m depending on wire type (see installation manual).
| CT-100-SPLIT | WxHxD: 61 mm x 51 mm x 35 mm.
| | Order extra CTs if monitoring multiple phases.
| Enphase Mobile Connect™ | 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.)
| CELLMODEM-02 | 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 Functions

| 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.