

Enphase **Envoy-S**



The Enphase® **Envoy-S** 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 revenue grade production metering and consumption monitoring options, 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 Installer Toolkit mobile app
- Flexible networking with Wi-Fi, Ethernet, or cellular

RELIABLE

- Designed for installation indoors or out
- Five-year warranty

Enphase **Envoy-S** // DATA

MODEL NUMBERS	
Envoy-S, Standard ENV-S-AB-120-A	Enphase® Envoy-S communications gateway with basic PV production monitoring (+/- 5%).
Envoy-S, Metered ENV-S-AM1-120	Enphase® Envoy-S communications gateway with integrated revenue grade PV production metering (ANSI C12.20 +/- 0.5%) and optional consumption monitoring (+/- 2.5%).
ACCESSORIES (Order Separately)	
Enphase® Mobile Connect CELLMODEM-01	Plug and play industrial grade cellular modem with five-year data plan for residential systems up to 12 kW. (Available in the US, Puerto Rico, and the US Virgin Islands.)
Consumption Monitoring CT CT-200-SPLIT	For use with XAM1-120, split-core current transformers enable whole home consumption metering (+/- 2.5%).
POWER REQUIREMENTS	
Cord connected	120 VAC, 60 Hz (ENV-S-AB-120-A) Max 20 A overcurrent protection required
Hardwired	120 VAC, 60 Hz (ENV-S-AB-120-A) 120/240 VAC split-phase (ENV-S-AM1-120) Max 15 A overcurrent protection required
CAPACITY	
Number of microinverters polled	Up to 600
MECHANICAL DATA	
Dimensions (WxHxD)	21.3 x 12.6 x 4.5 cm (8.4" x 5" x 1.8")
Weight	17.6 oz (498 g)
Ambient temperature range	-40° to 65° C (-40° to 149° F) -40° to 46° C (-40° to 115° F) if installed in an enclosure
Environmental rating	IP3X, for installation indoors or in an NRTL-certified, NEMA type 3R enclosure.
Altitude	To 2000 meters (6,560 feet)
INTERNET CONNECTION OPTIONS	
Integrated Wi-Fi	802.11b/g/n
Ethernet	802.3, Cat5 Ethernet cable (not included)
Cellular	Optional, order CELLMODEM-01
COMPLIANCE	
Compliance	UL 916 CAN/CSA C22.2 No. 61010-1 47 CFR, Part 15, Class B, ICES 003 IEC/EN 61010-1:2010, EN50065-1, EN61000-4-5, EN61000-6-1, EN61000-6-2 Metering: ANSI C12.20 accuracy class 0.5 (ENV-S-AM1-120) (Pending)