Enphase **Envoy-S** Series

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 Microinverter 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 outdoors
- Five-year warranty

enphase® ENERGY

UL® LISTED

Enphase **Envoy-S** // DATA

MODEL NUMBERS	
Enphase Envoy-S Standard™ ENV-S-AB-120-A	Enphase Envoy-S communications gateway with basic PV production monitoring (+/- 5%).
Enphase 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 systems up to 60 microinverters. (Available in the US, Canada, Mexico, Puerto Rico, and the US Virgin Islands, where there is adequate cellular service in the installation area.)
Consumption Monitoring CT CT-200-SPLIT	For use with ENV-S-AM1-120, 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 15 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	IP30. 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, Cat5E (or Cat 6) UTP Ethernet cable (not included)
Cellular	Optional, CELLMODEM-01 (not included)
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)

To learn more about Enphase Microinverter technology,
visit **enphase.com**

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