Enphase IQ Commercial Envoy

The **Enphase IQ Commercial Envoy**™ gateway delivers solar production and energy consumption data to Enphase Enlighten™ monitoring and analysis software for comprehensive, remote maintenance and management of three-phase Enphase IQ Systems.

With integrated production metering and optional consumption monitoring, the Envoy IQ is the platform for total energy management and integrates with the IQ Microinverters™ and Enphase IQ Battery™.

Smart

- Enables web-based monitoring and control
- Bidirectional communications for remote upgrades
- Supports power export limiting and zero-export applications

Simple

- Easy system configuration using Enphase Installer Toolkit™ mobile app
- Flexible networking with Wi-Fi, Ethernet, or cellular

Reliable

- Designed for installation indoors or outdoors in an enclosure
- Five-year warranty

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MODEL NUMBERS	
Enphase IQ Envoy™ ENV-IQ-AM3-3P	Three-phase communications gateway with integrated PV production metering (+/- 0.5%) and optional consumption monitoring (+/- 2.5%). Includes three 200A continuous rated production CTs.
ACCESSORIES (order separately)	
Enphase Mobile Connect™ - CELLMODEM-M1 (4G LTE Category M1) - CELLMODEM-01 (3G) - CELLMODEM-03 (4G)	Plug and play industrial grade cellular modem with five-year data plan (expandable to 12 years) for systems up to 60 microinverters (expandable). 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 CTs CT-200-SPLIT (order three or six, as needed)	Split-core current transformers enable consumption metering.
POWER REQUIREMENTS	
Power requirements	208Y/120 VAC three-phase 220Y/127 VAC three-phase Max 20 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)
Production CTs	- Are limited to 200A of continuous current / 250A OCPD – 72kW AC - Allow for parallel connected CTs for up to 500A – 144kW AC (if possible) - Internal aperture measures 19.36mm to support 250MCM THWN conductors (max)
Consumption CTs	- For electrical services to 250A with parallel runs up to 500A - Internal aperture measures 0.84” x 0.96” (21.33mm x 24.38mm) to support 3/0 THWN conductor - CT wire insulation rating of 600V
INTERNET CONNECTION OPTIONS	
Integrated Wi-Fi	802.11b/g/n
Ethernet	802.3, Cat5E (or Cat 6) UTP Ethernet cable, not included
Mobile	Optional, CELLMODEM-M1 (LTE), CELLMODEM-01 (3G), or CELLMODEM-03 (4G), 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

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