

IQ Gateway

The **IQ Gateway** delivers solar production and energy consumption data to Enphase Installer Portal monitoring and analysis software for comprehensive, remote maintenance and management of single-phase IQ System Controllers.

With integrated production metering and optional consumption monitoring, the IQ Gateway is the platform for total energy management. It integrates with the Enphase Energy System and IQ Battery.



ENV-IQ-AM1-240
ENV2-IQ-AM1-240 (IEEE 1547:2018)

Smart

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

Simple

- Easy system configuration using Enphase Installer App
- Flexible networking with Wi-Fi, Ethernet, or cellular

Reliable

- Designed for installation indoors or outdoors in an enclosure
- 5-year limited warranty
- ENV2-IQ-AM1-240 complies with IEEE 1547:2018 (UL 1741-SB, 3rd Ed.)



LISTED

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IQ-G-DS-0102-EN-US-12-30-2022

IQ Gateway

MODEL NUMBERS

IQ Gateway ENV-IQ-AM1-240 ENV2-IQ-AM1-240 (IEEE 1547:2018)	IQ Gateway communicates with integrated revenue grade PV production metering (ANSI C12.20 ±0.5%) and optional consumption monitoring (±2.5%). Includes one 200A continuous rated production CT (current transformer).
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ACCESSORIES - ORDER SEPARATELY

Communications Kit COMMS-CELLMODEM-M1-06 CELLMODEM-M1-06-SP-05 CELLMODEM-M1-06-AT-05	- Includes COMMS-KIT-01 and CELLMODEM-M1-06-SP-05 with 5-year Sprint data plan - 4G based LTE-M1 cellular modem with 5-year Sprint data plan - 4G based LTE-M1 cellular modem with 5-year AT&T data plan
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Consumption Monitoring CT CT-200-SPLIT	Split-core consumption CTs enable whole home metering
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Communications Kit COMMS-KIT-01	Installed at the IQ Gateway. For communications with IQ Battery and IQ System Controller. Includes USB cable for connection to IQ Gateway or IQ Combiner and allows wireless communication with IQ Battery and IQ System Controller
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POWER REQUIREMENTS

Power requirements	120/240VAC split-phase Max 20A overcurrent protection required
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Typical Power Consumption	5W
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CAPACITY

Number of microinverters polled	Up to 600
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MECHANICAL & ELECTRICAL DATA

Dimensions (WxHxD)	21.3 cm x 12.6 cm x 4.5 cm (8.4 in x 5 in x 1.8 in)
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Weight	17.6 oz (498 g)
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Ambient temperature range	-40°C to 65°C (-40°F to 149°F) -40°C to 46°C (-40°F to 115°F) if installed in an enclosure
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Environmental rating	IP30. For installation indoors or in an NRTL-certified, NEMA type 3R enclosure.
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Altitude	Up to 3,000 meters (9,842 feet)
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Production CTs	- Limited to 200A of continuous current/250A OCPD – 72 kW AC - Internal aperture measures 0.76" to support 250kcmil THWN conductors (max)
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Consumption CTs	- For electrical services to 200A with parallel runs up to 400A - Internal aperture measures 0.84 in x 0.96 in (21.33 mm x 24.38 mm) to support 300kcmil (0.46 inch sq) THWN conductor - UL 2808 certified, for use at service entrance for services up to 250VAC
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INTERNET CONNECTION OPTIONS

Integrated Wi-Fi	IEEE 802.11b/g/n
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Ethernet	802.3, Cat5E (or Cat6) UTP Ethernet cable, not included
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Mobile	CELLMODEM-M1 (4G) or CELLMODEM-M1-B (4G). Not included. Note that an Enphase Mobile Connect is required for all Enphase Energy System installations.
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COMPLIANCE

Compliance	CA Rule 21 (UL 1741-SA) IEEE 1547:2018 - UL 1741-SB, 3 rd Ed. (ENV2-IQ-AM1-240) UL 61010-1 CAN/CSA C22.2 No. 61010-1 Title 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 (PV production only)
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