

# Enphase IQ Combiner

(X-IQ-AM1-240-B)

The **Enphase IQ Combiner™** with Enphase IQ Envoy™ consolidates interconnection equipment into a single enclosure and streamlines PV installations by providing a consistent, pre-wired solution for residential applications.



## Smart

- Includes IQ Envoy for communication and control
- Flexible networking supports Wi-Fi, Ethernet, or cellular

## Simple

- Three pre-installed 20 A / 240 VAC circuit breakers
- Provides production metering and consumption monitoring.

## Reliable

- Durable NRTL-certified NEMA type 3R enclosure
- Five-year warranty



**LISTED**

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# Enphase IQ Combiner

## MODEL NUMBER

|                            |   |
|----------------------------|---|
| IQ Combiner X-IQ-AM1-240-B | IQ Combiner with Enphase IQ Envoy™ for integrated revenue grade PV production metering (ANSI C12.20 +/- 0.5%) and optional consumption monitoring (+/- 2.5%). |
|----------------------------|---|

## ACCESSORIES (order separately)

|   |   |
|---|---|
| Enphase Mobile Connect™<br>CELLMODEM-01 (3G)<br>CELLMODEM-03 (4G) | 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<br>CT-200-SPLIT                         | Split core current transformers enable whole home consumption metering (+/- 2.5%).  |

## ELECTRICAL SPECIFICATIONS

|  |   |
|--|---|
| Rating                                       | Continuous duty   |
| Solar branch circuit breakers                | Three 2-pole 20A/240 VAC DIN rail-mounted breakers                  |
| Maximum system voltage                       | 240 VAC   |
| Rated output current                         | 48 A  |
| Rated input current, each input              | 16 A  |
| Maximum fuse/circuit breaker rating (output) | 60 A  |
| Production Metering CT                       | 200A solid core pre-installed on solar busbar and wired to IQ Envoy |

## MECHANICAL DATA

|                                |  |
|--------------------------------|--|
| Dimensions (WxHxD)             | 38.0 x 38.7 x 20.3 cm (15.0" x 15.3" x 8.0")   |
| Weight                         | 5.1 kg (11.2 lbs)  |
| Ambient temperature range      | -40° C to +46° C (-40° to 115° F)  |
| Cooling                        | Vented, natural convection, plus heat shield   |
| Enclosure environmental rating | Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction  |
| Wire size                      | 14 to 6 AWG copper conductors for branch inputs.<br>14 to 4 AWG copper conductors for combined output.<br>Follow local code requirements for conductor sizing. |
| 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 (3G) or CELLMODEM-03 (4G) - not included |

## COMPLIANCE

|                      |   |
|----------------------|---|
| Compliance, Combiner | UL 1741   |
| Compliance, IQ Envoy | UL 916<br>CAN/CSA C22.2 No. 61010-1<br>47 CFR, Part 15, Class B, ICES 003<br>IEC/EN 61010-1:2010,<br>EN50065-1, EN61000-4-5, EN61000-6-1, EN61000-6-2<br>Metering: ANSI C12.20 accuracy class 0.5 |



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