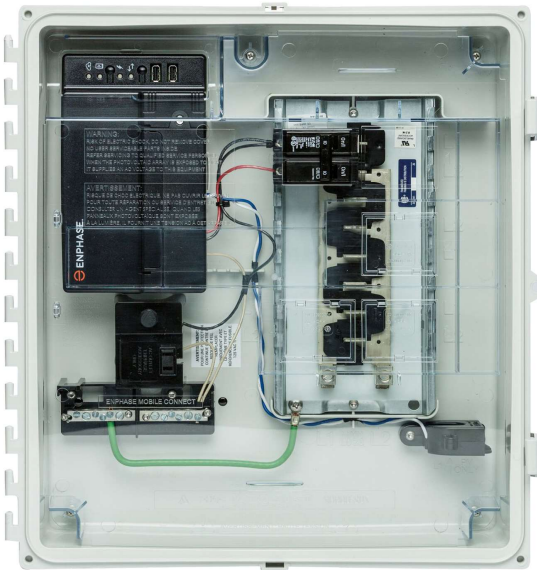


Enphase IQ Combiner+ (X-IQ-AM1-240-2)

The **Enphase IQ Combiner+™** with Enphase IQ Envoy™ consolidates interconnection equipment into a single enclosure and streamlines PV and storage installations by providing a consistent, pre-wired solution for residential applications. It offers up to four 2-pole input circuits and Eaton BR series busbar assembly.



Smart

- Includes IQ Envoy for communication and control
- Flexible networking supports Wi-Fi, Ethernet, or cellular
- Provides production metering and optional consumption monitoring
- Supports installation of the Enphase Q Aggregator™

Simple

- Eaton BR series panelboard interior
- Up to four 2-pole branch circuits for 240 VAC plug-in breakers (not included)
- 80 A total PV or storage branch circuits

Reliable

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

Enphase IQ Combiner+

| MODEL NUMBER | |
|---|--|
| IQ Combiner+ X-IQ-AM1-240-2 | 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™ CELLMODEM-03 (4G / 12-year data plan) CELLMODEM-01 (3G / 5-year data plan) CELLMODEM-M1 (4G LTE CAT-M1 / 5-year data plan) | Plug and play industrial grade cellular modem with 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 | Split core current transformers enable whole home consumption metering* (+/- 2.5%). |
| Circuit Breakers BRK-15A-2-240 BRK-20A-2-240 | Breaker, 2 pole, 15A, Eaton BR215 Breaker, 2 pole, 20A, Eaton BR220 |
| ELECTRICAL SPECIFICATIONS | |
| Rating | Continuous duty |
| System voltage | 240 VAC, 60 HZ |
| Eaton BR series busbar rating | 125 A |
| Max. continuous current rating (output to grid) | 65 A |
| Max. fuse/circuit rating (output) | 90 A |
| Branch circuits (solar and/or storage) | Up to four 2-pole Eaton BR series Distributed Generation (DG) breakers only (not included) |
| Max. continuous current rating (input from PV) | 64 A |
| Max. total branch circuit breaker rating (input) | 80 A (any combination) |
| Production Metering CT | 200 A solid core pre-installed and wired to IQ Envoy |
| MECHANICAL DATA | |
| Dimensions (WxHxD) | 49.3 x 46.5 x 16.0 cm (19.4" x 18.3" x 6.3") |
| Weight | 7.5 kg (16.5 lbs) |
| Ambient temperature range | -40° C to +46° C (-40° to 115° F) |
| Cooling | Natural convection, plus heat shield |
| Enclosure environmental rating | Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction |
| Wire sizes | <ul style="list-style-type: none">• 20 A to 50 A breaker inputs: 14 to 4 AWG copper conductors• 60 A breaker branch input: 3 to 1/0 AWG copper conductors• Main lug combined output: 10 to 2/0 AWG copper conductors• Neutral and ground: 14 to 1/0 copper conductors Always 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 CAN/CSA C22.2 No. 107.1 47 CFR, Part 15, Class B, ICES 003 Production metering: ANSI C12.20 accuracy class 0.5 (PV production) |
| Compliance, IQ Envoy | UL 916 CAN/CSA C22.2 No. 61010-1 |

* Consumption monitoring is required for Enphase Storage Systems.

To learn more about Enphase offerings, visit enphase.com

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