The **Enphase IQ Combiner 3™** 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.

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**Enphase IQ Combiner 3**
*(X-IQ-AM1-240-3)*

**Smart**
- Includes IQ Envoy for communication and control
- Flexible networking supports Wi-Fi, Ethernet, or cellular
- Optional AC receptacle available for PLC bridge
- Provides production metering and optional consumption monitoring

**Simple**
- Reduced size from previous combiner
- Centered mounting brackets support single stud mounting
- Supports back and side conduit entry
- 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 limited warranty
- UL listed

To learn more about Enphase offerings, visit [enphase.com](http://enphase.com)
Enphase IQ Combiner 3

MODEL NUMBER

| IQ Combiner 3 | IQ Combiner 3 with Enphase IQ Envoy™ printed circuit board for integrated revenue grade PV production metering (ANSI C12.20 +/- 0.5%) and optional* consumption monitoring (+/- 2.5%). |

ACCESSORIES and REPLACEMENT PARTS (not included, order separately)

- **Enphase Mobile Connect™**
  - CELLMODEM-03 (4G/12-year data plan)
  - CELLMODEM-01 (3G/5-year data plan)
  - CELLMODEM-M1 (4G based LTE-M/5-year data plan)
- Consumption Monitoring* CT CT-200-SPLIT
- Wireless USB adapter COMMS-KIT-01
- Circuit Breakers
  - BRK-10A-2-240
  - BRK-15A-2-240
  - BRK-20A-2P-240
- EPLC-01
- XA-PLUG-120-3
- XA-ENV-PCBA-3
- Power line carrier (communication bridge pair), quantity - one pair
- Replacement IQ Envoy printed circuit board (PCB) for Combiner 3

ELECTRICAL SPECIFICATIONS

- **Rating**
  - Continuous duty
- **System voltage**
  - 120/240 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)**
  - 80A of distributed generation / 90A with IQ Envoy breaker included
- **Production Metering CT**
  - 200 A solid core pre-installed and wired to IQ Envoy

MECHANICAL DATA

- **Dimensions (WxHxD)**
  - 49.5 x 37.5 x 16.8 cm (19.5” x 14.75” x 6.63”). Height is 21.06” (53.5 cm with mounting brackets).
- **Weight**
  - 7.5 kg (16.5 lbs)
- **Ambient temperature range**
  - -40º C to +46º C (-40º to 115º F)
- **Cooling**
  - Natural convection, plus heat shield
- **Enclosure environmental rating**
  - Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction
- **Wire sizes**
  - 20 A to 50 A breaker inputs: 14 to 4 AWG copper conductors
  - 60 A breaker branch input: 4 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**
  - Optional, 802.3, Cat5E (or Cat 6) UTP Ethernet cable (not included)
- **Cellular**
  - Optional, CELLMODEM-01 (3G) or CELLMODEM-03 (4G) or CELLMODEM-M1 (4G based LTE-M) (not included)

COMPLIANCE

- **Compliance, Combiner**
  - UL 1741, CAN/CSA C22.2 No. 1071.1, 47 CFR, Part 15, Class B, ICES 003
  - Production metering: ANSI C12.20 accuracy class 0.5 (PV production)
- **Compliance, IQ Envoy**
  - UL 60601-1/CANCSA 22.2 No. 61010-1

To learn more about Enphase offerings, visit [enphase.com](http://enphase.com)

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