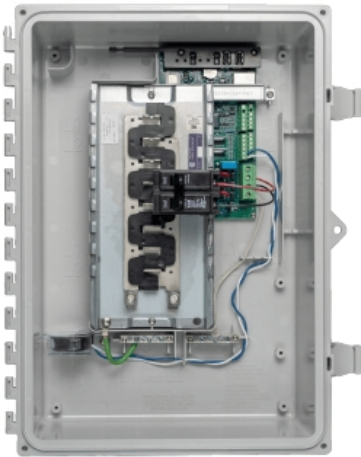


IQ Combiner 3 by Enphase X-IQ-AM1-240-3



Price: CAD \$879.00

SKU: ENXIQAM12402-1

Product Categories: [Inverter Installation Accessories](#), [Inverters](#), [PV Array Combiners](#), [Supply](#), [Wiring & BOS](#)

Product Tags: [ac combiner](#), [canada](#), [combiner](#), [combiner 3](#), [combiner box](#), [enphase](#), [enphase ac combiner box](#), [enphase combiner](#), [enphase combiner box](#), [envoy](#), [envoy combiner](#), [iq combiner 3](#), [iq combiner 3 canada](#), [pre-wired](#), [x-iq-am1-240-3](#), [x-iq-am1-240-3 canada](#)

Product Page:

<https://www.modernoutpost.com/product/iq-combiner-3-by-enphase-x-iq-am1-240-3/>

Product Summary

The simple way to complete your Enphase IQ microinverter installation, and the latest edition of Enphase's popular combiner box. 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.

Product Description

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This is the 3rd generation edition of the IQ combiner box, and reduces the footprint while now allowing for attachments to wall studs.

IQ Combiner 3 Features...

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 warranty
- UL listed

Enphase AC Combiner Box Specifications...

Model : IQ Combiner 3 : X-IQ-AM1-240-3

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

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) : 49.5 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 : -40° C to +46° C (-40° to 115° F)

Cooling : Vented, natural convection

Enclosure environmental rating : Outdoor, NRTL-certified, NEMA type 3R, polycarbonate

Wire size :

- 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.

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

[Download the Full IQ Combiner+ X-IQ-AM1-240-3 Spec Sheet\]](#)

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The Enphase Difference

Enphase is on a mission to bring solar energy to the next level, one where it's ready to meet the energy demands of an entire globe.

More Power From Your Solar Panels

Enphase Microinverters get more power from the same solar panels. This means greater savings & value from your system. Each microinverter connects to a single solar panel. Unlike other types of solar inverters, if there is a shaded, dirty, or problem panel, the rest of the system keeps running smoothly. The result is increased system power yield of 3-12% over standard string inverters (according to multiple independent studies incorporating a variety of shading/soiling issues).

The Enphase Envoy shows you the status of all panels in real time.

Solar You Will Love

Every part of the Enphase system is designed to have a minimal impact on your building. Wiring and equipment stay out of sight, and the low voltage AC design improves safety.

Want to start with only a few solar panels & expand in the future?

Standard string inverters require specific string sizes of panels, and have limitations on how the system can be expanded. But Enphase MicroInverters let you install as many panels as you wish, in multiple sections. The ultimate solar power system design flexibility.

Reliability, Inside & Out

Enphase products are designed to deliver more power, with less maintenance. The proof is in the longest warranties on the market. Up to 20 years.

Visit the [Enphase website\]](#) for more information.

Product Attributes

- Dimensions: 1 × 1 × 1 cm
- Weight: 3.9 kg