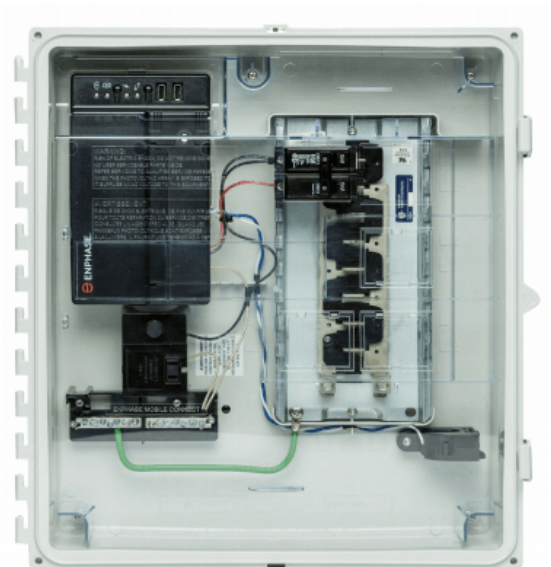


## IQ Combiner+ X-IQ-AM1-240-2 by Enphase



Price: CAD \$779.00

**SKU:** ENXIQAM12402

**Product Categories:** [Installation : Cables](#), [Inverters](#), [PV Array Combiners](#), [Shop](#), [Wiring & BOS](#)

**Product Tags:** [ac combiner](#), [canada](#), [combiner](#), [combiner box](#), [enphase](#), [enphase ac combiner box](#), [enphase combiner](#), [enphase combiner box](#), [enphase iq](#), [envoy](#), [envoy combiner](#), [iq](#), [IQ Combiner+](#), [IQ Combiner+ canada](#), [pre-wired](#), [X-IQ-AM1-240-2](#), [X-IQ-AM1-240-2 canada](#)

**Product Page:**

<https://www.modernoutpost.com/product/iq-combiner-x-iq-am1-240-2-by-enphase/>

### Product Summary

The simple way to complete your Enphase IQ microinverter installation.

The Enphase IQ Combiner+ includes the Enphase IQ Envoy and consolidates all the interconnection equipment into a single enclosure. The IQ Combiner+ X-IQ-AM1-240-2 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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### IQ Combiner+ Features...

#### 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 AC Combiner Box Specifications...

#### **Model : 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%).

## **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 : 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-AM1-240-2 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 &times; 1 &times; 1 cm
- Weight: 3.9 kg