

## IQ Combiner 5/5C by Enphase



Price: CAD \$1,199.00 - CAD \$1,869.00

**Product Categories:** [Cables & Wiring Kits](#), [Combiners: Solar & Battery](#), [Inverters](#), [Shop](#), [Wiring & BOS](#)

**Product Tags:** [ac combiner](#), [canada](#), [cell](#), [combiner](#), [combiner 5](#), [combiner 5c](#), [combiner box](#), [enphase](#), [enphase ac combiner box](#), [enphase combiner](#), [enphase combiner box](#), [enphase iq](#), [envoy](#), [envoy combiner](#), [iq](#), [pre-wired](#), [X-IQ-AM1-240-5](#), [X-IQ-AM1-240-5 canada](#), [X-IQ-AM1-240-5C](#), [X-IQ-AM1-240-5C canada](#)

**Product Page:**

<https://www.modernoutpost.com/product/iq-combiner-5-5c-by-enphase/>

### Product Variants

- IQ Combiner 5/5C by Enphase - IQ Combiner 5 ( )
- IQ Combiner 5/5C by Enphase - IQ Combiner 5C ( )

## Product Summary

The IQ Combiner 5/5C consolidates and streamlines your Enphase IQ Series Microinverters and IQ Gateway installation by providing a consistent, pre-wired solution for residential applications. The IQ Combiner 5/5C uses wired control communication and is compatible with the IQ System Controller 3/3G and the IQ Battery 5P.

**Models : X-IQ-AM1-240-5 , X-IQ-AM1-240-5C**

## Product Description

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This is the 5th generation of the IQ combiner box, and reduces the footprint while now allowing for attachments to wall studs. A key component The IQ Combiner 5/5C is a complete grid-agnostic Enphase Energy System.

**IQ Combiner 5/5C 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 5 : X-IQ-AM1-240-5 , X-IQ-AM1-240-5C**

IQ Combiner 5 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 : 80 A

System voltage and frequency : 120/240 VAC or 120/208 VAC, 60 Hz

Busbar rating : 125 A

Maximum continuous current rating (input from PV/storage) : 64 A

Branch circuits (solar and/or storage) : Up to four 2-pole Eaton BR (not included)

Maximum total branch circuit breaker rating (input) : 80 A of distributed generation

IQ Gateway breaker : 10 A or 15 A rating GE/Siemens/Eaton included

Production metering CT : 200 A solid core pre-installed and wired to IQ Gateway

Consumption monitoring CT (CT-200-CLAMP) : A pair of 200A current transformers (included)

IQ Battery metering CT : 200A clamp-style current transformer for IQ Battery metering, (included)

### **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 5/5C Datasheet](#)] **Download the Quick Install**

## **Guide**

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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
- Model: IQ Combiner 5, IQ Combiner 5C