

Enphase AC Combiner Box



Price: CAD \$1,229.00

SKU: ENCOMBINERBOX

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

Product Tags: [ac combiner](#), [canada](#), [combiner box](#), [enphase](#), [enphase ac combiner box](#), [enphase combiner](#), [enphase combiner box](#), [XAM1-120](#), [XAM1-120 canada](#)

Product Page:

<https://www.modernoutpost.com/product/enphase-ac-combiner-box/>

Product Summary

The simple way to complete your Enphase microinverter installation. The Enphase AC Combiner Box™ with Enphase Envoy-S™ consolidates interconnection equipment into a single enclosure and streamlines PV installations by providing a consistent, pre-wired solution for residential applications.

Product Description

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Enphase AC Combiner Box Features...

Smart

Includes Envoy-S for communication and control

Flexible networking supports Wi-Fi, Ethernet, or cellular

Simple

Three pre-installed 20 A / 240 VAC circuit breakers

Pre-configured revenue-grade metering available

Reliable

Durable NRTL-certified NEMA type 3R enclosure

Five-year warranty

Enphase AC Combiner Box Specifications...

Model : AC Combiner Box XAM1-120

AC combiner with Enphase Envoy-S Metered™ for integrated revenue grade PV production metering (ANSI C12.20 +/- 0.5%) and optional consumption monitoring (+/- 2.5%).

ELECTRICAL SPECIFICATIONS

Maximum system size : 11.5 kW at 240 VAC

Rating : Continuous duty

Maximum system voltage : 240 VAC

Rated output current : 48 A

Rated input current, each input : 16 A

Maximum fuse/circuit breaker rating (output) : 60 A

Solar branch circuit breakers : Three 2-pole 20A/240 VAC DIN rail-mounted breakers

Production Metering CT : 200A solid core pre-installed on solar busbar and wired to Envoy-S

MECHANICAL DATA

Dimensions (WxHxD) : 38.0 x 38.7 x 20.3 cm (15.0" x 15.3" x 8.0")

Weight : 5.1 kg (11.2 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 construction

Wire size : 12 to 6 AWG copper conductors for branch inputs. 12 to 4 AWG copper conductors for combined output. 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 (not included)

[Download the Enphase AC Combiner Box Data Sheet\]](#) [Download the Enphase AC Combiner Box Installation Manual\]](#)

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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: N/A
- Weight: 3.9 kg