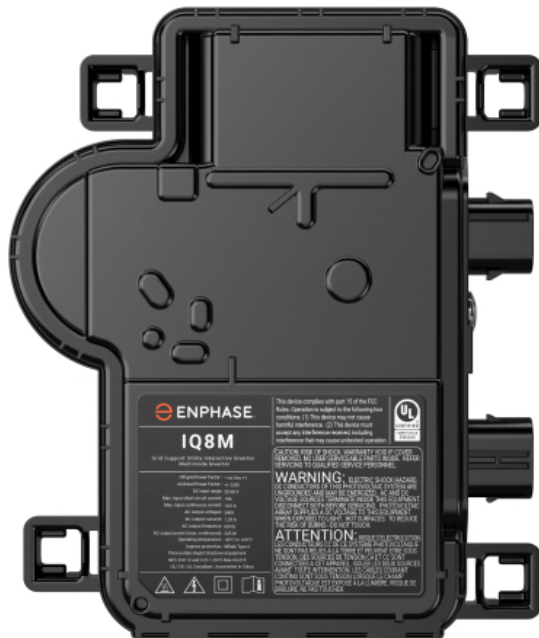


IQ8M Microinverter by Enphase



Price: CAD \$369.00

SKU: ENIQ8M

Product Categories: [Inverters](#), [Micro Inverters](#), [Shop](#)

Product Tags: [canada](#), [enphase](#), [enphase iq8 canada](#), [enphase iq8m canada](#), [iq8](#), [iq8 canada](#), [iq8m](#), [iq8m canada](#), [micro inverter](#), [microinverter](#), [microinverter canada](#)

Product Page:

<https://www.modernoutpost.com/product/iq8m-microinverter-by-enphase/>

Product Summary

Enphase's newest IQ8 Microinverters are the industry's first microgrid-forming, software defined microinverters with split-phase power conversion capability to convert DC power to AC power efficiently. With IQ8 at the core, Enphase Energy Systems are flexible and scalable. IQ8 Series Microinverters integrate with the

Enphase IQ Battery, Enphase IQ Gateway, and the Enphase App monitoring and analysis software.

Product Description

Enphase's newest IQ8M Microinverter. The industry's first microgrid-forming, software defined microinverters with split-phase power conversion capability to convert DC power to AC power efficiently. With IQ8 at the core, Enphase Energy Systems are flexible and scalable. IQ8 Series Microinverters integrate with the Enphase IQ Battery, Enphase IQ Gateway, and the Enphase App monitoring and analysis software.

Start with an IQ8 solar-only system and add Enphase batteries and an IQ Load Controller as energy needs grow for resiliency.

Connect PV modules quickly and easily to IQ8 Series Microinverters using the included Q-DCC-2 adapter cable with plug-n-play MC4 connectors.

The brain of the semiconductor-based microinverter is our proprietary application-specific integrated circuit (ASIC) which enables the microinverter to operate in grid-tied or off-grid modes. This chip is built in advanced 55nm technology with high speed digital logic and has super-fast response times to changing loads and grid events, alleviating constraints on battery sizing for home energy systems.

Enphase Microinverters : No Single Point Of Failure

If a system with a central inverter fails, solar production stops completely. With one microinverter per module, solar production keeps working even if a microinverter fails.

IQ8 : A Bright Idea, Even In Low Light

IQ Microinverters use breakthrough Burst Mode™ technology to capture more energy in low-light conditions, such as when there are shadows or clouds passing over the solar array.

It Shines, Even When It Rains

IQ Microinverters are NEMA 6 certified and are recommended by FEMA, meaning

they can endure just about anything Mother Nature sends their way.

Industry-Leading Warranty

IQ Microinverters are backed by an industry-leading 25-year limited warranty.

Safety First

IQ Microinverters are inherently safer because they operate at the same low-voltage AC power as your home. Our systems never contain high-voltage DC power.

Responsive & Responsible

IQ Microinverters include built-in Rapid Shutdown so that, in the event of an emergency, your solar power can be turned off instantly and easily, keeping utility workers and first responders safe.

Everything Just Clicks

IQ Microinverters uses plug-and-play technology in order to make your installations faster and easier. Everything snaps together to form a perfect fit. Installation happens with a click even if you are wearing gloves.

IQ8M Features

Easy to install

- Lightweight and compact with plug-n-play connectors
- Power Line Communication (PLC) between components
- Faster installation with simple two-wire cabling

High productivity and reliability

- Produce power even when the grid is down
- More than one million cumulative hours of testing
- Class II double-insulated enclosure
- Optimized for the latest highpowered PV modules

Microgrid-forming

- Complies with the latest advanced grid support
- Remote automatic updates for the latest grid requirements
- Configurable to support a wide range of grid profiles
- Meets CA Rule 21 (UL 1741-SA) requirements

IQ8M Specifications In Brief

Model : IQ8M-72-2-US

Common Module Pairings : 260W – 460W

Module Compatibility : 60-cell/120 half-cell and 72-cell/144 half-cell

MPPT Voltage Range : 36 – 45V

Voltage Range : 25 – 58V

Max Voc : 60V

Max DC Current : 15A

Array Config : 1x1 Ungrounded array; No additional DC side protection required; AC side protection requires max 20A per branch circuit

Peak Output Power : 330W

Max Continuous Power : 325W

Nominal Voltage Range : 240 / 211 – 264V AC

Max Continuous Output Current : 1.35A AC

Frequency : 60Hz (50-68Hz)

Max Inverters Per Branch : 11

Peak Efficiency : 97.6%

DC Connector type : MC4

Dimensions (HxWxD) : 212 mm (8.3”) x 175 mm (6.9”) x 30.2 mm (1.2”)

Weight : 1.08 kg (2.38 lbs)

Certifications :

CA Rule 21 (UL 1741-SA), UL 62109-1, UL1741/IEEE1547, FCC Part 15 Class B, ICES-0003 Class B, CAN/CSA-C22.2 NO. 107.1-01 This product is UL Listed as PV Rapid Shut Down Equipment and conforms with NEC 2014, NEC 2017, and NEC 2020 section 690.12 and C22.1-2018 Rule 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors, when installed according to manufacturer's instructions.

DOWNLOAD THE FULL SPEC SHEET HERE :

[Enphase-iq8_3054_321-0232_Data_Sheet\]](#)

Product Attributes

- Dimensions: 1 × 1 × 1 cm
- Weight: 2.4 kg