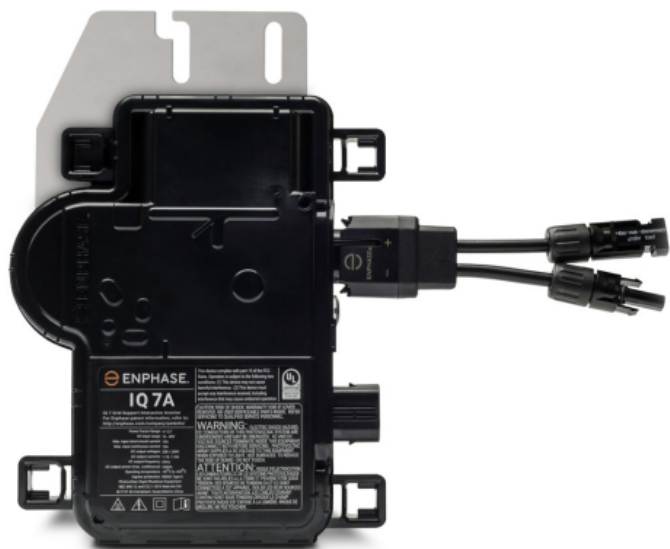


IQ7A Micro Inverter by Enphase



Price: CAD \$359.00

SKU: ENIQ7A

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

Product Tags: [400w](#), [canada](#), [enphase](#), [enphase iq 7a](#), [enphase iq7a](#), [enphase iq7a canada](#), [iq 7a](#), [iq7a](#), [iq7a canada](#), [IQ7A-72-2-US](#), [IQ7A-72-2-US canada](#), [micro inverter](#)

Product Page:

<https://www.modernoutpost.com/product/iq7a-micro-inverter-by-enphase/>

Product Summary

Newly released for 2020. The high-powered smart grid-ready Enphase IQ7A Micro™ dramatically simplifies the installation process while achieving the highest system efficiency for systems with 60-cell and 72-cell modules.

Product Description

Newly released for 2020. The high-powered smart grid-ready Enphase IQ7A Micro™ dramatically simplifies the installation process while achieving the highest system efficiency for systems with 60-cell and 72-cell modules.

Part of the Enphase IQ System, the IQ 7A Micro integrates with the Enphase IQ Envoy™, Enphase IQ Battery™, and the Enphase Enlighten™ monitoring and analysis software.

The IQ Series Microinverters extend the reliability standards set forth by previous generations and undergo over a million hours of power-on testing, enabling Enphase to provide an industry-leading warranty of up to 25 years.

IQ7A Features...

High Power

- Peak output power 366 VA @ 240 VAC and 295 VA @ 208 VAC

Easy to Install

- Lightweight and simple
- Faster installation with improved, lighter two-wire cabling
- Built-in rapid shutdown compliant (NEC 2014 & 2017)

Efficient and Reliable

- Optimized for high powered 60-cell and 72-cell modules
- Highest CEC efficiency of 97%
- More than a million hours of testing
- Class II double-insulated enclosure
- UL listed

Smart Grid Ready

- Complies with advanced grid support, voltage and frequency ride-through requirements
- Envoy and Internet connection required
- Configurable for varying grid profiles
- Meets CA Rule 21 (UL 1741-SA)

Enphase IQ 7A Specifications

Part Number: IQ7A-72-2-US

INPUT (DC)

Commonly used module pairings¹ 295 W-460 W +

Module compatibility 60-cell, 66-cell, and 72-cell PV modules

Maximum input DC voltage 58 V

Power point tracking voltage range² 18 V-58 V

Min/Max start voltage 30 V / 58 V

Max DC short circuit current (module Isc)³ 15 A

AC side protection requires max 20A per branch circuit

OUTPUT (AC)

Peak output power 366 VA (@ 240VAC) 295 VA (@ 208VAC)

Maximum continuous output power 349 VA 290 VA

Maximum units per 20 A (L-L) branch circuit 11 (240 VAC) 11 (208 VAC)

CEC weighted efficiency 97.0% (@240VAC) 96.5% (@208VAC)

MECHANICAL

Ambient temperature range -40°C to +60°C

Relative humidity range 4% to 100% (condensing)

Connector type: DC (IQ7A-72-2-US) MC4

Dimensions (WxHxD) 212 mm x 175 mm x 30.2 mm (without bracket)

Weight 1.08 kg (2.38 lbs)

Cooling Natural convection — No fans

Approved for wet locations Yes

Enclosure Class II double-insulated, corrosion resistant polymeric enclosure

Environmental category / UV exposure rating NEMA Type 6 / outdoor

COMMUNICATION & OTHER FEATURES

Communication Power Line Communication (PLC)

Monitoring Enlighten Manager and MyEnlighten monitoring options

Compatible with Enphase IQ Envoy

Disconnecting means The AC and DC connectors have been evaluated and approved by UL for use as the load-break disconnect required by NEC 690.

Compliance

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 and NEC-2017 section 690.12 and C22.1-2015 Rule 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors, when installed according manufacturer's instructions.

[DOWNLOAD THE COMPLETE SPEC SHEET HERE\]](#)

Product Attributes

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