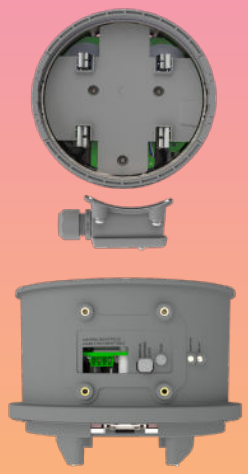
IQ Meter Collar

IQ Meter Collar is a meter socket adapter with an integrated microgrid interconnection device (MID) and Energy Meter. It is installed on an ANSI C12 Form 2S meter socket. IQ Meter Collar is rated for 200 A continuous current. It can be installed either at the service entrance between an ANSI C12 Form 2S utility meter and the meter socket or on the load side of the utility service on a separate meter socket pan.



Enphase 15 year limited warranty

Intertek 5034331

Key specifications	IQ Meter Collar
Model[1]	MC-200-011-V01
Nominal grid supply	120/240 VAC, 180°, split-phase
Nominal frequency	60 Hz
Nominal power consumption	3.8 W
Overvoltage category	Category IV (service entrance-rated)
Integrated consumption meter	±0.5% accurate
Maximum continuous current rating	200 A
Maximum short-circuit current withstand	22 kA
Maximum overcurrent protection device	200 A
Weight	3.6 lb (1.63 kg)
Meter and meter socket interface	ANSI Form 2S, 200 A, ringless, or ring type

Easy to install

- Lightweight and simple to install
- Lowers the cost of whole-home backup
- Remote commissioning saves additional truck roll

Robust and reliable

- Thermal management minimizes use of internal fan
- Integrated AC-DC power supply closes MID to restore power to the home when the utility grid is available, even if battery energy is exhausted
- 15-year product warranty

Smart grid-ready

- Complies with advanced grid support, voltage, and frequency ride-through requirements
- Supports remote firmware updates to changing grid requirements
- Configurable at commissioning to comply with applicable grid interconnection parameters
- Meets CA Rule 21 (UL 1741-SA), IEEE 1547:2018 (UL 1741-SB), Puerto Rico Electric Power Authority (PREPA), and Hawaiian Electric Industries (HEI) SRD V2.0 grid profiles

[1] Use the model number (not the ordering SKU) for interconnection application and permitting.

© 2026 Enphase Energy. All rights reserved. Enphase, the e and CC logos, IQ, and certain other marks listed at https://enphase.com/trademark-usage-guidelines are trademarks of Enphase Energy, Inc. in the U.S. and other countries. Data subject to change.

Product details	IQ Meter Collar
Model: MC-200-011-V01	Meter socket adapter with integrated MID and current sensors for energy consumption metering. Rated at 200 A, it installs on an ANSI C12 Form 2S meter socket at service entrances or on standalone load-side meter sockets.
Ordering SKU	MC-200-011-V01, MC-200-011-V01-2
What's in the box	
IQ Meter Collar	Meter collar adapter with microgrid interconnect device (MID)
Seal ring	Seal ring to prevent tampering or unauthorized removal of the utility watt-hour meter
Plastic bag	Plastic bag for installers to hang the IQ Meter Collar next to the utility watt-hour meter
Quick install guide (QIG)	IQ Meter Collar quick install guide
Accessories kit	One control connector; one junction box sub-assembly; one cable gland, 1/2" NPT (national pipe taper thread)
Blank cover plate	One blank cover plate attached in front of the IQ Meter Collar
Electrical specifications	
Nominal grid supply	120/240 VAC, 180°, split-phase
Nominal frequency	60 Hz
Nominal power consumption	3.8 W
Power consumption	2.5 W to 5.8 W
Overvoltage category	Category IV (service entrance-rated)
Integrated consumption meter	±0.5% accuracy
Maximum continuous current rating	200 A
Maximum short-circuit current withstand[2]	22 kA
Maximum overcurrent protection device	200 A
Mechanical specifications	
Dimensions (L × W × D)	6.9 in × 8.1 in × 5.0 in (175 mm × 206 mm × 128 mm)
Weight	3.6 lb (1.63 kg)
Meter and meter socket interface	ANSI Form 2S, 200 A, ringless, or ring type
Cooling	Forced convection-cooled
Environmental specifications	
Ambient temperature range	-40°F to 122°F (-40°C to 50°C)
Enclosure environmental rating	Indoor/Outdoor, NEMA type 3R
Maximum altitude	8,200 ft. (2,500 m)
Compliance	
Safety	UL 414, CSA C22.2 No.115:2025
Emissions	CFR 47 Part 15B
System and grid compatibility	
Grid	UL 1741 SA/SB (IEEE 1547:2018), multi-mode

[2] The short-circuit current is limited by an external overcurrent protection device.

System and grid compatibility	
Power control system (PCS)	Current sensor for a power control system under UL 3141

Interfaces			
Control connector	4-wire signaling with 24 VDC power supply between system components.		
Manual override lever	Manually sets the MID relay state: pull to open, push to close.		
Push button	Short press (7–10 seconds): Disables hardware control of the MID; press again to re-enable. Long press (>15 seconds): Performs a hard reset of the unit without changing the relay state. The relay LED and the control LED blink simultaneously for 6 seconds, indicating a successful hard reset.		
Light-emitting diodes (LED)	Indicate IQ Meter Collar status—normal, error, or MID state—based on relay and control LED patterns. Refer to IQ Meter Collar quick install guide for more details.		
Error	**RELAY LED**	**CONTROL LED**	**STATE**
	RED	RED	MID closed
	OFF	RED	MID open
	OFF	OFF	No supply
	OFF	Slow blinking (1 second ON, 3 seconds OFF)	MID open, grid present

Accessories	
ACC-MC-200	One junction box assembly including two cable glands, one control connector, one plastic bag, and one seal ring. Compatible only with MC-200-011-V01.
ACC-MC-200-2	One junction box assembly including a liquid-tight conduit connector, one plastic bag, and one seal ring. Compatible only with MC-200-011-V01-2.
ACC-MC-200-3	One junction box assembly including a cable gland, one plastic bag, and one seal ring. Compatible only with MC-200-011-V01-2. Not compatible with liquid-tight conduits.
JC-MC-200	Jumper cover suitable for up to 200 A meter socket.
MP-MC-200	200 A ringless meter socket.
CTRL-SC3-NA-01	Control cable, 500 ft. spool, 18/4 TC-ER.

Warranty	
Limited warranty	15 years

Enphase equipment compatibility	
Gateway	ENV2-IQ-AM1-240 and ENV-IQ-AM1-240
Communications Kit	COMMS-KIT-02
Microinverters	IQ8, IQ7, and IQ6 Series Microinverters
3rd-generation Enphase Energy System	IQ Battery 5P (IQBATTERY-5P-1P-NA), IQ Combiner 5/5C (X-IQ-AM1-240-5, X-IQ-AM1-5C), and IQ System Controller 3M (SC200D111CMC1US01)
4th-generation Enphase Energy System	IQ Battery 10C (IQBATTERY-10C-1P-NA), IQ Battery 10CS (IQBATTERY-10CS-1P-NA), and IQ Combiner 6C (X-IQ-AM1-240-6C)

Enphase equipment compatibility	
Third-party inverters and legacy Enphase microinverters	Supported with 4th-generation Enphase Energy System

Components of the Enphase Energy System



IQ System Controller 3M

It connects the home to grid power, IQ Battery 5P, IQ Combiner 5/5C, and PV. In the event of a grid failure, it works seamlessly with the IQ Meter Collar to transition the system from grid power to backup power.[3]



IQ Battery 5P

Fully integrated 5 kWh AC battery system. Includes six field-replaceable IQ8D-BAT Microinverters.[3]



IQ Combiner 6C

Consolidates PV, battery, and EVSE interconnection into a single enclosure. Provides 60 A load control. Works seamlessly with IQ Meter Collar to transition the system from grid power to backup power in the event of a grid failure.[4]



IQ Battery 10C/10CS

Fully integrated 10 kWh AC battery system with neutral forming capability. Works with IQ Combiner 6C.[4]

[3] 3rd-generation Enphase Energy System.
[4] 4th-generation Enphase Energy System.

Revision history

Revision	Date	Description
DSH-00468-7.0	April 2026	Updated the ordering SKUs in the "Product details" section.
DSH-00468-6.0	April 2026	Updated the "Compliance" section.
DSH-00468-5.0	October 2025	Added the new "Ordering SKUs".
DSH-00468-4.0	July 2025	Added the "Power consumption" parameter in the "Electrical specifications" section.
DSH-00468-3.0	June 2025	Updated "Electrical" and "Interfaces" sections.
DSH-00468-2.0	February 2025	Updated the cover page and specifications.
DSH-00468-1.0	September 2024	Preliminary release.