

NOTE: For the socketed charger, the 7.5 m cable and the holster are sold separately.

IQ EV Charger 2

The IQ EV Charger 2 combines advanced hardware with AI-powered energy management to bring seamless, reliable EV charging to every home. Whether used as a standalone unit or integrated with Enphase Energy Systems, it optimizes for the lowest utility rates and efficient solar charging. The charger can be setup to offer intelligent features such as time-of-use based charging, remote start/stop, and access control, among others, all via the Enphase App.

Compatible with all Type-2 EVs, the charger's rugged design and built-in safety features guarantee a smooth, safe charging experience for all EV owners. The IP55 rating and CE safety certification enable flexible outdoor or indoor installation and ensure peace of mind. With simple installation and commissioning, the charger can be configured to align with main breaker requirements without the need for any costly upgrades.



Smartly integrated

- **Dynamic load balancing:** The charger adjusts the charging power based on the household consumption, ensuring that the total home consumption does not exceed the contracted per phase power/fuse rating - protecting the home, and avoiding the need for expensive upgrades.
- **Phase switching**: Automatic 3 to 1 phase switching enables efficient use of solar from as low as 1.4 kW even on cloudy days.
- **Built-in Class B-certified MID meter:** Offers ±1% accuracy for usage tracking and reimbursements.
- **Advanced access control**: App-based authentication for charging sessions prevents misuse of the charger.

Reliable

- **All-weather durability**: IP55-rated enclosure for safe, reliable indoor or outdoor installation in any environment.
- **Industry-leading safety**: Built-in residual current device (RDC-DD) and thermal protection ensure safe charging under all conditions.
- **5-year warranty**: Backed by Enphase's industry-leading warranty for peace of mind.

User-friendly

- **Configure to suit grid supply:** Configure the maximum charging current between 6 A and 32 A to suit the EV charger supply capacity. Easily limit to 11 kW to meet District Network Operator (DNO) requirements.
- **Easy installation:** No additional mounting brackets or prewiring kits required; 7.5 m cable allows for convenient use.
- **Quick setup:** Less than 10 minutes to install, and less than 3 minutes to commission via the Enphase Installer App.
- **Smart servicing:** Remote troubleshooting via the Enlighten Manager and simplified maintenance access with the intelligently-designed service panel.

© 2025 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.

IQ EV Charger 2

Model name	IQ EV Charger 2 (socketed, three-phase/single-phase)		IQ EV Charger 2 (tethered, three-phase/single-phase)	
ELECTRICAL SPECIFICATIONS	**IQ-EVSE-EU-3032-0005-1300**		**IQ-EVSE-EU-3032-0105-1300**	
Nominal voltage (±10%)	400 V 3 × 230 V	230 V	400 V 3 × 230 V	230 V
Nominal frequency	50 Hz			
Maximum charging power (configurable*)	Up to 22 kW (three-phase Wye Up to 12.7 kW (three-phase Delta)	Up to 7.4 kW (single-phase)	Up to 22 kW (three-phase Wye) Up to 12.7 kW (three-phase Delta)	Up to 7.4 kW (single-phase)
Earthing arrangement	TN, TT, or IT			
Rated output current	32 A per phase			
Provided cable gland size	M32 gland (15–25,4 mm)	M25 gland (11–17,9 mm)	M32 gland (15–25,4 mm)	M25 gland (11–17,9 mm)
Socket or connector	Type-2 shuttered socket		7,5 m Type-2 connector cable	
CHARGING EQUIPMENT COMPONENTS				
7,5 m Type-2 charging cable	Sold separately		Included	
Cable and connector holster	Sold separately		Included	
MECHANICAL SPECIFICATIONS				
Enclosure dimensions (L × W × D)	410 mm × 250 mm × 128 mm		370 mm × 250 mm × 118 mm	
Weight	6 kg		11 kg (including the tethered charging cable)	
Enclosure rating	IP55/IK10			
Supply cable entry options	Bottom or rear entry			
ENVIRONMENTAL SPECIFICATIONS				
Relative humidity range	5% to 95% (condensing)			
Altitude	<2500 m			
Operating temperature	-40°C to 55°C			
Storage temperature	-40°C to 80°C			
COMMUNICATION OPTIONS				
Wireless network	2.4/5 GHz Wi-Fi (802.11 ax)			
Bluetooth	BT/BLE 5.3			
Wired communication	Ethernet, RS-485, CAN			
ISO 15118	Yes (Hardware ready)			
SAFETY AND COMPLIANCE				
Compliance	CE (LVD EU/2014/35, EMC Directive EU/2014/30, RED EU/2014/53, RoHS 3.0, REACH, IEC/EN 61851-1, IEC/EN 61851-21-2, IEC/EN 62196-1, IEC/EN 62955, IEC 61439-7, IEC/EN 60364-4-41), MID (EN 50470-1, EN 50470-3)			
Safety features	Overvoltage protection (253 V), RDC-DD (±6 mA), relay weld detection, overcurrent detection (+20%)			
In-built sensors	Ambient light sensor, temperature sensor, humidity sensor, and tilt sensor			
Metering accuracy	±1% (Class-B, MID-certified)			
FEATURES				
LED indicator	Animated line LED with RGB colors to indicate the state of the IQ EV Charger 2			
MID meter display	Display voltage, current, and energy (kWh) consumption of the EV charger			
Smart scheduling	Optimises charging with dynamic tariff rates and excess solar power			
Self-consumption	Charge EV on clean energy from the sun by using excess solar power with an Enphase Energy System			
Automatic phase-switching	Automatically switches between three-phase and single-phase to optimise charging from excess PV			
Authentication	Available via the Enphase App RFID NFC - Hardware ready			
Integration support	OCPP 2.0.1 and APIs			
WARRANTY				
Warranty duration	5 years			

*For example, to limit the maximum charging power for a three-phase charger to 11 kW, configure the max charging current to 16 A at the time of commissioning.

Revision history

REVISION	DATE	DESCRIPTION
DSH-00464-8.0	May 2025	Updated the specification.
DSH-00464-7.0	April 2025	Revamped the cover page and made updates to the specifications.
DSH-00464-6.0	January 2025	Added the section “Charging equipment components” to the specifications and updated the “Safety and compliance” section.
DSH-00464-5.0	December 2024	Updated the model name features.
DSH-00464-4.0	October 2024	Revamped the cover page contents and made updates to the parameters.
DSH-00464-3.0	September 2024	• Updated the region to Europe. • Updated the voltage rating, metering accuracy, MID meter display, and smart scheduling parameters.
DSH-00464-2.0	June 2024	Updated the product name to IQ EV Charger 2.
DSH-00464-1.0	June 2024	Initial release.

© 2025 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.