

IQ EV Charger 2

The IQ EV Charger 2 combines innovative software-defined hardware and AI-powered energy management. This smart charger is easy to install and supports all type-2 compatible EVs. Future-proof with regular over-the-air updates, the charger integrates flawlessly with Enphase Energy Systems, allowing users to manage solar, battery, and EV charging - all from the Enphase App.

Maximise savings with AI-powered home energy management that optimises for the lowest utility tariffs and efficient solar charging, allowing up to 100% of excess power to be configured for EV charging. The charger supports all European grids and features wired and wireless capabilities for enhanced connectivity and control. It comes with a built-in MID meter for accurate usage tracking and a Type-2 connector suitable for all EVs in Europe. Access to the charger can be controlled via the Enphase App.



Integrated and reliable

- Allows all Enphase devices on the site to be remotely monitored via a single app
- Transitions between 6 A to 32 A per phase with 1 A granular control
- IP55-rated enclosure ensures durability and allows for safe indoor and outdoor installation
- Provides comprehensive home energy and EV charging support backed by Enphase training and customer service
- Backed by industry-leading 5-year warranty

Ease of installation and maintenance

- 7,5 m cable allows flexible installation and ease of use
- No additional mounting brackets or prewiring kits are required
- Less than three minutes for the app pairing process
- Streamlines your service experience with Enphase Installer App for monitoring and troubleshooting all installed chargers
- Intelligently designed service panel minimises downtime during maintenance

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Model name	IQ EV Charger 2 - Socketed 3-phase		IQ EV Charger 2 – Tethered 3-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	22 kW (3-phase Wye) 12.7 kW (3-phase Delta)	7.4 kW (1-phase Wye)	22 kW (3-phase Wye) 12.7 kW (3-phase Delta)	7.4 kW (1-phase Wye)
Earthing arrangement	TN, TT, or IT			
Rated output current	32 A per phase			
Provided cable gland type	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	
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 charging cable)	
Enclosure rating	IP55/IK10			
Service wire routing	Bottom and rear entry			
ENVIRONMENTAL SPECIFICATIONS				
Humidity rating	5% to 95%			
Altitude	Up to 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				
Certification*	CE (LVD EU/2014/35, EMC Directive EU/2014/30, RED EU/2014/53, RoHS3.0, 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), EV Ready 2.0			
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			
Access control	Available via Enphase App; enabled via software settings			
Integration support	OCPP 2.0.1 and APIs			
WARRANTY				
Warranty duration	5 years			

* Certification in progress

Revision history

REVISION	DATE	DESCRIPTION
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.

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