



IQ EV Charger 2

The IQ EV Charger 2 seamlessly combines innovative hardware and intelligent software. Customized for UK smart charging regulations with integrated PEN fault detection, it features wired and wireless capabilities for enhanced connectivity. It integrates flawlessly with the Enphase Energy System, allowing users to monitor charging status and performance with a single app.

Maximise savings and efficiency with AI-powered home energy management that optimises for the lowest utility tariffs and allows for up to 100% of excess solar power to be utilised for EV charging. The IQ EV Charger 2 comes with a built-in MID meter for accurate usage tracking and a rugged Type 2 connector suitable for all EVs in the UK. 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
- 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
- Integrated PEN fault protection and MID-certified metering

Ease of installation and maintenance

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



IQ EV Charger 2

Model name	IQ EV Charger 2 – Tethered 1-phase UK
ELECTRICAL SPECIFICATIONS	
IQ-EVSE-UK-1032-0105-1300	
Nominal voltage	230 V
Nominal frequency	50 Hz
Maximum charging power	7.4 kW (1-phase Wye)
Rated output current	32 A
Provided cable gland type	M25 gland (11–17.9 mm)
Socket or connector	7.5 m Type 2 connector cable
MECHANICAL SPECIFICATIONS	
Enclosure dimensions (L × W × D)	370 mm × 250 mm × 118 mm
Weight	11 kg (including the charging cable)
Enclosure rating	IP55/IK10
Service cable entry	Bottom and rear cable entry
ENVIRONMENTAL SPECIFICATIONS	
Relative humidity range	5% to 95% (condensing)
Altitude	<2,500 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
ISO15118	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, UKCA, UK Smart Charging
Safety features	Overvoltage protection (253 V), RDC-DD (±6 mA), relay weld detection, overcurrent detection (+20%), PEN fault detection
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	Displays kWh consumption of the EV charger
Smart scheduling	Take advantage of the dynamic tariff rates from your utility
Self-consumption	Charge EV on clean energy from the sun by using excess solar power with an Enphase Energy System
Access control	RFID/NFC – 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-00532-1.0	September 2024	Initial release.