⚡ ENPHASE.

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. Compatible with all Type-2 EVs and safety features like PEN fault detection and RDC-DD, homeowners can charge with peace of mind. Whether used as a standalone unit or integrated with Enphase Energy Systems, this IP55-rated charger is both versatile and durable, offering easy installation and maintenance.

Save more with AI-driven home energy management, optimising for the lowest utility rates and efficient solar charging. Up to 100% of excess solar power can be directed to EV charging, maximising savings. Customised for UK smart charging, it features wired and wireless connectivity for flexible installation. It also includes a built-in MID meter for accurate energy usage tracking and a Type-2 connector, suitable for all EVs in Europe. Access and control are managed easily via the Enphase App.

Reliable and feature-rich charging

- **1 A incremental control:** Easily adjust amperage between 6 A and 32 A for precise, efficient charging.

- **Certified MID meter:** Accurate energy usage tracking.

- **Advanced access control:** Manage access with mobile app for flexible, secure operation.

- **Standalone or integrated:** Works seamlessly as a standalone charger or can be integrated into an Enphase system for enhanced energy management.

- **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), PEN fault detection, and thermal protection ensure safe charging under all conditions.

- **5-year warranty:** Backed by Enphase's industry-leading warranty for peace of mind.

Ease of installation and maintenance

- **Flexible cable options:** 7.5 m cable allows for easy installation and convenient use.

- **Fast installation:** No additional mounting brackets or prewiring kits required—install in under 10 minutes.

- **Quick pairing:** Pair with the app in less than 3 minutes for easy setup and configuration.

- **Service and troubleshooting:** Easily monitor and troubleshoot with the Enphase Installer App to minimise downtime during maintenance.

- **Removable service panel:** Intelligently-designed service panel simplifies access for quick maintenance.

Enphase 5 year warranty | CE | UKCA | Bluetooth | WiFi | RFID

IQ EV Charger 2

Model name	IQ EV Charger 2 – Tethered single-phase UK
ELECTRICAL SPECIFICATIONS	**IQ-EVSE-UK-1032-0105-1300**
Nominal voltage (±10%)	230 V
Nominal frequency	50 Hz
Maximum charging power	7.4 kW (single-phase)
Rated output current	32 A
Earthing arrangement	TN or TT
Provided cable gland size	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	10 kg (including tethered charging cable)
Enclosure rating	IP55/IK10
Service cable entry options	Bottom or 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	
Compliance	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), 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	Display voltage, current, and energy (kWh) consumption of the EV charger
Smart scheduling	Optimises charging with 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
Access control	Available via the Enphase App RFID/NFC - Hardware ready
Integration support	OCPP 2.0.1 and APIs
WARRANTY	
Warranty duration	5 years