⊖ ENPHASE.



E.V.READY

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

© 2024 Enphase Energy. All rights reserved. Enphase, the e and CC logos, IQ, and certain other marks listed at <u>https://enphase.com/trademark-usage-guidelines</u> 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 - 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 \times W \times 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 | |

Revision history

| REVISION | DATE | DESCRIPTION |
|---------------|----------------|------------------|
| DSH-00532-1.0 | September 2024 | Initial release. |