IQ EV Charger 2

The IQ EV Charger 2 delivers reliable, intelligent charging for both homes and businesses. It works as a standalone unit or as part of the Enphase Energy System, with features like real-time green charging, time-of-use scheduling, remote start/stop, access control, and optimization to save money—all managed through the Enphase App. Suitable for all Type-2 EVs, it comes with Wi-Fi and Ethernet connectivity.



Key specifications	IQ-EVSE-UK-1032-0105-1300
Nominal voltage (±10%)	230 V
Rated output current	32 A
Connector type	7.5 m Type-2 connector cable
Enclosure rating	IP55/IK10
Communication	2.4/5 GHz Wi-Fi (802.11 ax), Bluetooth, Ethernet, RS-485, CAN
Operating temperature	-40°C to 55°C
Warranty	5 years



Smartly integrated

- **Dynamic load balancing:** Adjusts charging based on home usage to avoid overloads and costly upgrades.
- **Built-in Class B-certified MID meter:** ±1% accuracy for tracking and reimbursements.
- **Advanced access control:** RFID and App-based authentication prevents unauthorized use.

Reliable

- **Durable design:** IP55-rated for safe indoor/outdoor use.
- **Safety features:** Includes PEN fault protection, RDC-DD and thermal protection.
- **5-year warranty:** Backed by Enphase for peace of mind.

User-friendly

- **Flexible configuration:** Set charging current from 6 A to 32 A.
- **Easy installation:** Bottom or rear cable entry options. 7.5 m cable included.
- **Quick setup:** Install in under 10 minutes; commission in under 3 minutes via Enphase Installer App.
- **Smart servicing:** Remote troubleshooting and field replaceable connector cable.

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Electrical specifications	IQ-EVSE-UK-1032-0105-1300
Model name	IQ EV Charger 2 (tethered single-phase UK)
Nominal voltage (±10%)	230 V
Nominal frequency	50 Hz
Maximum charging power (configurable)	Up to 7.4 kW (single-phase)
Rated output current	32 A
Earthing arrangement	TN
Provided cable gland size	M25 gland (11–17.9 mm)
Connector type	7.5 m Type-2 connector cable
Mechanical specifications	
Enclosure dimensions (L × W × D)	370 mm × 250 mm × 118 mm
Weight	10 kg (including the tethered charging cable)
Enclosure rating	IP55/IK10
Supply 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
ISO 15118-20	Yes (hardware and software supported)
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 with clean energy from the sun by using excess solar power from an Enphase Energy System
Authentication	Available via the Enphase App RFID/NFC (ISO 14443 A/B or ISO 15693, 13.56MHz)
Integration support	OCPP 2.0.1, OCPP 1.6J APIs MODBUS TCP
Safety and compliance	
Compliance	UK Smart Charging, OZEV, UKCA, CE, CE (LVD EU/2014/35, EMC Directive EU/2014/30, RED EU/2014/53, RoHS 3.0, REACH, IEC/EN 61851-1,

Safety and compliance	
	IEC/EN 61851-21-2, IEC/EN 62196-1, IEC/EN 62955, IEC 61439-7, IEC/EN 60364-4-41), RED DA (EN 18031), MID (EN 50470-1,EN 50470-3)
Safety features	Overvoltage protection (262.2 V), RDC-DD (±6 mA), relay weld detection, overcurrent detection (+20%), PEN fault protection
In-built sensors	Ambient light sensor, temperature sensor, humidity sensor, and tilt sensor
Metering accuracy	±1% (Class-B, MID-certified)
Insulation category	Class 1[1]
Warranty	
Warranty duration	5 years

[1] The EV charger has been qualified for insulation resistance test as per IEC 60068-2-78 with 500 VDC. But due to the presence of overvoltage protection component, the insulation testing shall be performed on the finished product only at 250 VDC.

Revision history

Revision	Date	Description
DSH-00532-5.0	April 2026	• Added RED DA (EN 18031) to the "Safety and compliance" section. • Added insulation category to the "Safety and compliance" section. • Removed the reference to V2H. • Added the BS 7671:2018 to the "Compliance" section.
DSH-00532-4.0	April 2025	Revamped the cover page contents and made updates to the parameters.
DSH-00532-3.0	January 2025	Updated the “Safety and compliance” section.
DSH-00532-2.0	October 2024	Revamped the cover page contents and made updates to the parameters.
DSH-00532-1.0	September 2024	Initial release.