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, featuring real-time green charging, time-of-use scheduling, remote start/stop, access control, smart charging and AI optimisation to achieve cost savings, all managed through the Enphase App. Suitable for all Type-2 EVs, it comes with Wi-Fi, Ethernet, and cellular connectivity.



Key specifications	IQ-EVSE-EU-3032-0005-1300 IQ-EVSE-EU-3032-0105-1300
Nominal voltage (±15%)	400 V/3 × 230 V 230 V
Rated output current	32 A per phase
Socket or connector	Type-2 shuttered socket/7.5 m Type-2 connector cable
Enclosure rating	IP55/IK10
Communication	2.4/5 GHz Wi-Fi (802.11ax), Bluetooth, Ethernet, RS-485, CAN, Cellular 4G LTE
Operating temperature	-40°C to 55°C
Warranty	5 years



Smartly integrated

- **Dynamic load balancing:** Adjusts charging to home usage, avoiding overloads and costly upgrades.
- **Phase switching:** Automatically switches from 3 to 1 phase and vice versa to use solar efficiently, even from 1.4 kW.
- **Built-in Class B-certified MID meter:** ±1% accuracy for tracking and reimbursements.
- **Advanced access control:** RFID and app-based authentication prevent unauthorised use.

Reliable

- **Durable design:** IP55-rated for safe indoor/outdoor use.
- **Safety features:** Includes 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; limit to 11 kW if needed.
- **Easy installation:** No additional mounting brackets; 7.5 m cable included[1].
- **Quick setup:** Install and commission under 13 minutes via Enphase Installer App.
- **Smart servicing:** Remote troubleshooting and easy maintenance access.

[1] For the socketed charger, the 7.5 m cable and the holster are sold separately.

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Electrical specifications	IQ-EVSE-EU-3032-0005-1300		IQ-EVSE-EU-3032-0105-1300	
Model name	IQ EV Charger 2 (socketed, three-phase/single-phase)		IQ EV Charger 2 (tethered, three-phase/single-phase)	
Nominal voltage (±15%)	400 V 3 × 230 V	230 V	400 V 3 × 230 V	230 V
Nominal frequency	50 Hz			
Maximum charging power (configurable[2])	Up to 22 kW (three-phase Wye) Up to 12.7 kW (three-phase Delta)	Up to 7.4 kW (single-phase)	Up to 22 kW (three-phase Wye) Up to 12.7 kW (three-phase Delta)	Up to 7.4 kW (single-phase)
Earthing arrangement	TN, TT, or IT			
Rated output current	32 A per phase			
Provided cable gland size	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	
Charging equipment components				
7.5 m Type-2 charging cable	Sold separately		Included	
Cable and connector holster	Sold separately		Included	
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 tethered charging cable)	
Enclosure rating	IP55/IK10			
Supply cable entry options	Bottom or rear entry			
Environmental specifications				
Relative humidity range	5% to 95% (condensing)			
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 (802.11ax)			
Bluetooth	BT/BLE 5.3			
Cellular	4G LTE			
Wired communication	Ethernet, RS-485, CAN			
ISO 15118-20	Yes (software and hardware supported)			
Meters supported	Linky (TIC protocol), P1 (DSMR 4.x and 5.0), and HAN			
Features				
LED indicator	Animated line LED with RGB colours to indicate the state of the EV charger			
MID meter display	Display voltage, current, and energy (kWh) consumption of the EV charger			

[2] For example, to limit the maximum charging power for a three-phase charger to 11 kW, configure the maximum charging current to 16 A at the time of commissioning.

Features	
Smart scheduling	Optimises charging with dynamic tariff rates and excess solar power
Self-consumption[3]	Charge EV on clean energy from the sun by using excess solar power with an Enphase Energy System
Smart charging	Automatically optimises EV charging based on departure time and driving range for lower costs and cleaner energy
Automatic phase-switching[4]	Automatically switches between three-phase and single-phase to optimise charging from excess PV
Authentication	Available via the Enphase App RFID/NFC (ISO 14443 A/B or ISO 15693, 13.56 MHz)
Integration support	OCPP 1.6J, OCPP 2.0.1 API—Cloud, local MODBUS TCP

Safety and compliance	
Compliance	CE (LVD EU/2014/35, EMC Directive EU/2014/30, RED EU/2014/53, RoHS 3.0, REACH, IEC/EN 61851-1, IEC/EN 61851-21-2, IEC/EN 62196-1, IEC/EN 62955 (RDC-DD), IEC 61439-7, IEC/EN 60364-4-41), MID (EN 50470-1, EN 50470-3), RED DA (EN 18031), and EV Ready
Safety features	Overvoltage protection (265 V), RDC-DD (±6 mA), relay weld detection, overcurrent detection (+20%)
Built-in sensors	Ambient light sensor, temperature sensor, humidity sensor, and tilt sensor
Metering accuracy	±1% (Class B, MID-certified)
Insulation category	Class 1[5]

Warranty	
Warranty duration	5 years

[3] Currently supported for a single IQ EV Charger 2.
[4] Applicable for three-phase SKUs only.
[5] The EV charger has been qualified for the insulation resistance test as per IEC 60068-2-78 with 500 VDC. But due to the presence of the overvoltage protection component, the insulation testing shall be performed on the finished product only at 250 VDC.

Revision history

Revision	Date	Description
DSH-00464-10.0	May 2026	• Removed the references of the SKUs "IQ-EVSE-EU-3032-0105-1400" and "IQ-EVSE-EU-3032-0005-1400". • Added information about the "Smart charging" feature.
DSH-00464-9.0	December 2025	• Added cellular to the "Communication options" section. • Added insulation category to the "Safety and compliance" section.
	October 2025	• Added new SKUs. • Added RED DA (EN 18031) to the "Safety and compliance" section.
DSH-00464-8.0	May 2025	Updated the specification.
DSH-00464-7.0	April 2025	Revamped the cover page and made updates to the specifications.
DSH-00464-6.0	January 2025	Added the section “Charging equipment components” to the specifications and updated the “Safety and compliance” section.
DSH-00464-5.0	December 2024	Updated the model name features.
DSH-00464-4.0	October 2024	Revamped the cover page contents and made updates to the parameters.
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	Preliminary release.