

IQ EV Charger 2

Certified by ARAI, the IQ EV Charger 2 delivers reliable, intelligent charging for both homes and businesses. It can operate as a standalone unit or integrate seamlessly with the Enphase Energy System, featuring real-time green charging, time-of-use scheduling, remote start/stop, access control, and optimization to save money—all managed through the Enphase App. Compatible with all Type-2 EVs, the charger includes both Wi-Fi and Ethernet connectivity.



Key specifications	IQ-EVSE-IN-3032-0105-1300
Nominal voltage (-15%/+10%)	240 V 415 V/3 × 240 V
Rated output current	32 A per phase
Connector	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 balancing¹:** Adjusts charging based on home usage to avoid overloads and costly upgrades.
- **Phase switching:** Automatically switches from 3 to 1 phase and vice versa to use solar efficiently.
- **Built-in Class B meter** with +/-1% accuracy.
- **Advanced access control:** RFID and app-based authentication prevents unauthorized use.

Reliable

- **Durable design:** IP55-rated for safe indoor/outdoor use.
- **Safety features:** Includes RCD-DD, AC leakage, 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:** No additional mounting brackets; 7.5 m cable included.
- **Quick setup:** Install and commission under 13 minutes via Enphase Installer App.
- **Smart servicing:** Remote troubleshooting and easy maintenance access.

¹Dynamic load balancing will require IQ Gateway. Integration with a third-party meter is not available.

Electrical specifications	IQ-EVSE-IN-3032-0105-1300	
Model name	IQ EV Charger 2 (tethered, three-phase/single-phase)	
Nominal voltage (-15%/+10%)	415 V 3 × 240 V (three-phase)	240 V (single-phase)
Nominal frequency	50 Hz	
Maximum charging power (configurable ²)	Up to 22 kW (three-phase)	Up to 7.4 kW (single-phase)
Earthing arrangement	TN or TT	
Rated output current	32 A per phase	
Provided cable gland size	M32 gland (15–25.4 mm) (three-phase)	M25 gland (11–17.9 mm) (single-phase)
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 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	<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 (802.11 ax)	
Bluetooth	BT/BLE 5.3	
Wired communication	Ethernet, RS-485, CAN	
ISO 15118-20	Yes (software and hardware support)	

Features		
LED indicator	Animated line LED with RGB colours to indicate the state of the EV charger	
Meter display	Display voltage, current, and energy (kWh) consumption of the EV charger	
Self-consumption ³	Charge EV on clean energy from the sun by using real-time green charging.	
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 tags (13.56 Mhz)	
Integration support	OCPP 1.6J, OCPP 2.0.1 API—cloud, local	

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.

³ Currently supported for a single IQ EV Charger 2. Available only for Enphase Energy System owners.

⁴ Applicable for three-phase installation only.

Safety and compliance

Compliance	IS 17017 series (IS 17017-1 and IS 17017-21- 2) compliant, ARAI certified, RoHS 3.0, REACH
Safety features	Overvoltage protection (265 V), RDC-DD (± 6 mA), AC leakage protection (± 30 mA), relay weld detection, overcurrent detection (+20%)
In-built sensors	Ambient light sensor, temperature sensor, humidity sensor, and tilt sensor
Metering accuracy	$\pm 1\%$ (designed to the requirements of EN 50470 Class B)
Insulation category	Class 1 ⁵

Warranty

Warranty duration	5 years
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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-00918-1.0	February 2026	Preliminary release.