

7kW | 11kW | 22kW

Injet Eco

AC EV Charging Station



DATASHEET

CE UK CA RoHS

Advanced Connectivity, Smarter Energy Flow

Injet Eco delivers flexible, future-ready smart charging with optional 4G, Push to Charge setup, Wi-Fi 6, and dual energy management.



Residential Use

Optional 4G Connectivity: Enables remote control without relying on home Wi-Fi—more flexible installation.

Integrated Local Energy Management: Combines load balancing and solar surplus charging in one streamlined system.

Push to Charge Installation: Tool-free mounting reduces wiring complexity, ideal for quick home setups.



Semi-Public Use

Comprehensive Connectivity: Wi-Fi6, Bluetooth, Ethernet, RS-485, and 4G ensure stable networking across site conditions.

Strong OCPP Compatibility: Seamlessly integrates with different CPO platforms for unified management.

LED Status Indicators: Clear visual feedback enables quick inspection and user guidance.



Commercial Use

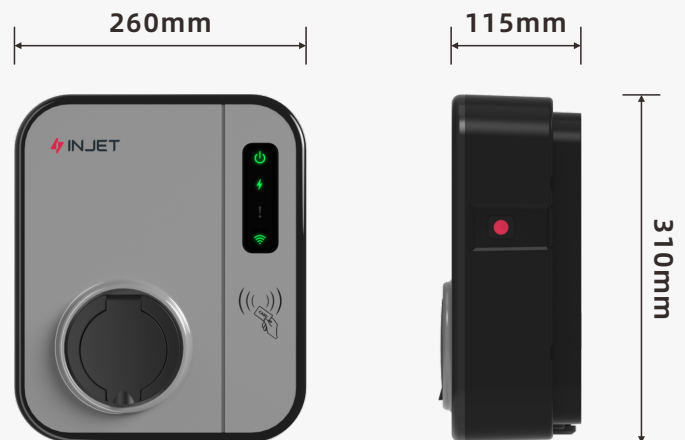
4G Network Ready: Flexible for locations without fixed internet—ideal for dynamic business environments.

Dual ModBus and OCPP Support: Enables integration with EMS and commercial billing systems.

CE Certified + Linux-based OS: Robust, secure performance aligned with professional operational needs.

INJET ECO

- CE(LVD,RED), RoHS
- NFC Activation
- Load sharing
- Flexible Configuration
- Integrated Leakage Detection
- Electronic Lock Mechanism



Datasheet of Injet Eco

Basic Info

Item	Injet Eco 7kW/11kW/22kW
Model NO.	iMHN-07K0-BBEU; iMHN-11K0-BBEU; iMHN-22K0-BBEU iMHN-07K0-CBEU; iMHN-11K0-CBEU; iMHN-22K0-CBEU iMHN-07K0-BCEU; iMHN-11K0-BCEU; iMHN-22K0-BCEU iMHN-07K0-CCEU; iMHN-11K0-CCEU; iMHN-22K0-CCEU
Maximum Power	7kW/32A@230VAC; 11kW/16A@400VAC; 22kW/32A@400VAC
Tethered / Untethered	Optional
Plug & Cord	Type2 5/7.5-meter Cable Type2 Socket
Dimension(H*W*D)mm	310*260*115
Material	Plastic
Colour	Grey
Indicator & Display	LED Light
Installation Mode	Push-to-install

Features

Measurement Method	On-Board Metering
Communication Interface	Wi-Fi 6 (2.4/5GHz)and Bluetooth, 4G (Optional)
Communication Protocol	Modbus RTU (Via RS-485), Modbus TCP (Via Wi-Fi), OCPP 1.6J, OCPP 2.0.1(Future Upgrade Optional)
Charging Method	APP, RFID Card Charging, Button
Dynamic Load Balancing	Yes, Optional APCC-1R/3R(Load Balancing Controller Produced by Injet)
PV Surplus Charging	Yes, Compatible with External Smart Meter
Power Sharing	Local Power Sharing enables up to 10 chargers to operate within limited power availability

Safety

Ingress Protection	IP65, IK10
Residual Current Protection	Type A 30mA + DC 6mA
Over/Under Voltage Protection	Yes

Short Circuit Protection	Yes
Earth Leakage Protection	Yes
Ground Protection	Yes
Surge Protection	Yes
Over Temperature	Yes
PEN (for UK)	Yes
Tamper-Protection Boundary (for UK)	Yes
Certification (UK)	CE(LVD,RED), RoHS, UKCA
Certification (EU)	CE(LVD,RED), RoHS
Certification Standard	EN IEC 61851-1, EN IEC 61851-21-2

Environment

Installation	Wall/Pole Mounted
Storage Temperature	-40~75°C
Work Temperature	-30~50°C
Work Humidity	≤95%RH, No Water Droplet Condensation
Work Altitude	≤2000m



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