

AX Series

48A-11kW Single Phase Wall-mount EV AC Charger



- Ideal for commercial EV charging
- LAN-Wi-Fi or LAN-Wi-Fi-4G options for connection for Central Management System
- Supports RFID card & QR code for user authentication and management
- Input: 200Vac~240Vac
- Modern, ergonomic and customizable design
- Optional 5 inch LCD display
- IP protection class for outdoors: NEMA4
- Supports Over the Air Technology
- Charging interface: SAE J1772 (Type 1)
- Supports OCPP 1.6 JSON (Upgradeable to 2.0)
- Supports RS232/485 external communication interface (Optional)
- Supports ISO 15118 protocol
- Supports dynamic output load distribution, making the field power configuration planning of charging stations more flexible

Applications

- Parking garages, hospitality & retail
- Commercial fleet operators
- EV infrastructure operators and service providers
- EV dealer workshops



Model Name	AXLU111
Safety	UL/Cul (North America)
Product Photo	

Power Specification

AC Input	Input Rating	Single-phase: 200~240Vac
	AC Input Connection	L1/L2/GND or L/N/PE
	Input Current	48A
	Frequency	50Hz/60Hz
AC Output	Output Current	48A
	Output Power	11kW

User Interface & Control

Display	LED pilot lamp (standard), 5-inch LCD (Optional)
User Authentication	RFID (ISO/IEC 14443A/B, ISO/IEC 15693, FeliCa™, Mifare), ISO 15118
Meter	Meter IC(1% Accuracy)

Communication

External	LAN+WiFi (standard) or LAN+4G+WiFi (Optional)
Internal	OCPP 1.6 JSON (Upgradeable to 2.0) EEBUS (support in 2022)

Environmental

Operating Temperature	-30C to +50 °C (standard) or -20 °C to +50 °C (with payment system)
Humidity	< 85% (RH) @ 50 °C
Altitude	≤ 2000m
Enclosure Protection (IK/IP Level)	NEMA TYPE 4
Cooling Method	Natural Cooling

Mechanical

Dimension(WxDxH)	Approx. 295 x 158 x 505mm
Weight	<7kg (with socket); <10kg (with plug)
Cable Length	5m / 7.5m (Option and need to use cable management)

Protection

RCD/CCID	CCID 20
Input Side	UVP, OVP, Surge protection, Ground fault
Output Side	OCP, Control pilot fault, Residual current protection
Protocol	OTP, Relay welding detection, CCID self-test, MCU function fault detection

Regulation

Certificate	UL2594, UL2231-1/-2, CTEP Energy Star
Wireless Certificate	FCC/IC
Charging Interface	SAEJ1772 Type 1 Plug