



MaxiCharger Single Charger

A12 Series

Innovating AC Charging Solutions



5 Years

Leading architectural design and intelligent O&M platform empower our top standard of 5-year warranty*

10 Minutes

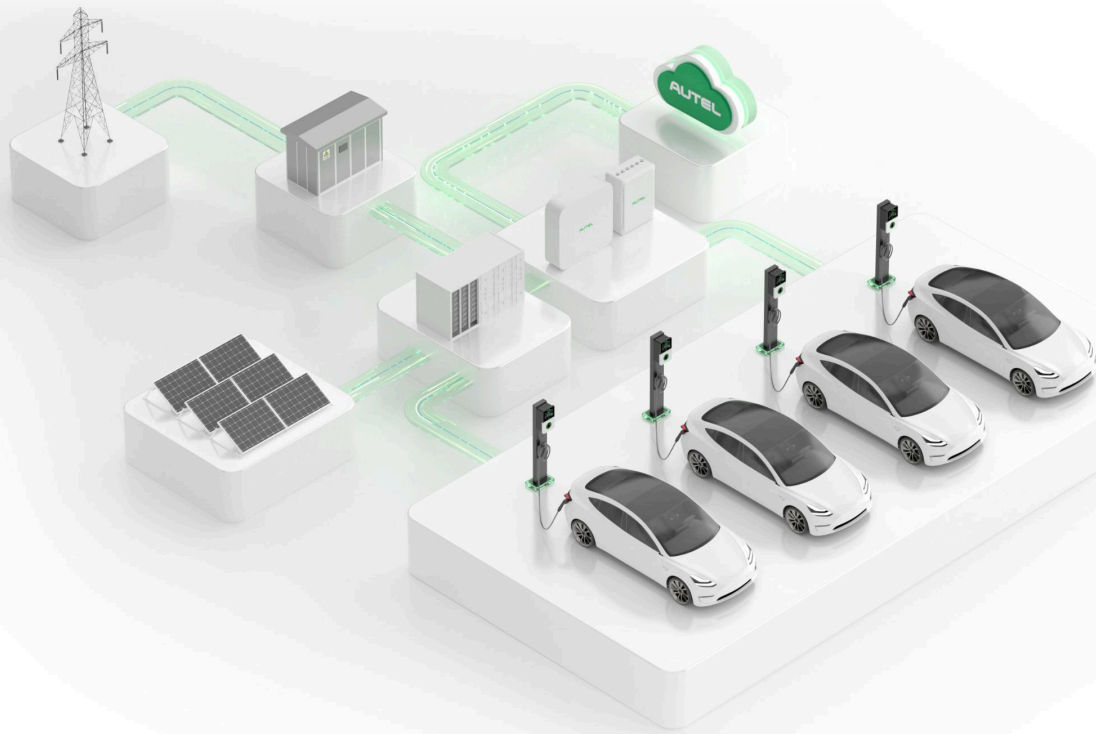
Smart, fast deployment with one-click installation and streamlined commissioning in 10 mins

200x

Scale up charging network by smart load balancing with up to 200 chargers, PnC & ISO 15118-20 communication capabilities

Elevating Smart AC Charging Solutions

MaxiCharger Single Charger embodies our commitment to innovation, setting a new standard in AC charging intelligence. It offers a turnkey solution for destination and fleet charging with enhanced reliability through architectural optimization and robust multi-layer safety design. The advanced Wi-SUN network and one-click station setup reduce expansion costs and enable rapid deployment. Paired with the SmartBox Kit and smart O&M, it supports load management and green energy integration.



Full-Cycle Reliable

Hardware Reliability

Industry-leading architecture with top-tier components and rigorous testing ensures full-load operation at 45°C, performance guaranteed by a 5-year warranty.

Operation Reliability

Dual backup networks (WiFi and Wi-SUN) ensure uninterrupted communication, achieving a 99.9% online rate.

Maintenance Reliability

9 intelligent sensors and visualized intelligent O&M platform to ensure robust remote monitoring and multi-layered safety protection.



Comprehensive Intelligent

Fast Site Setup

Smart deployment design with one-click installation in 8 minutes and 10 minutes station-level mass commissioning.

Smart Charging

On-cloud or local ALM/DLB technology enables on-demand power allocation, supporting smart dynamic load management for over 200 chargers.

Seamless Payment

ISO15118 compliant, supporting Plug & Charge/AutoCharge, and POS Kiosk enabled for convenient payment without any downloads or registration.



Ecosystem Scalable

Pre-installation

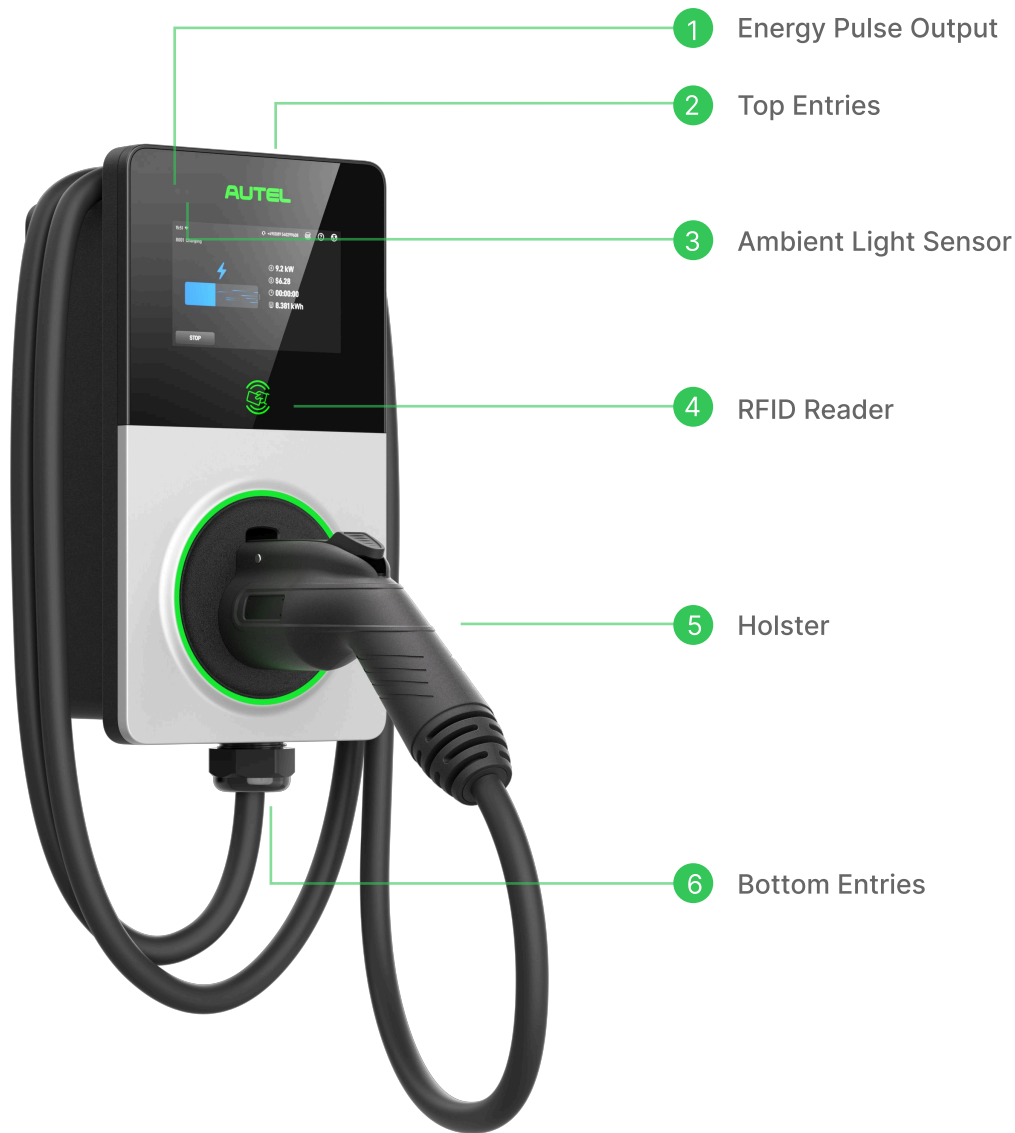
Can be pre-installed and configured with a backplate, easily install, configure and upgrade EV Chargers.

Green Energy Collaboration

Supports future-proof PV+ESS+EVSE integration, ISO 15118-20 communication capabilities, energy management, and green energy integration.

Scalable Protocol

Supports full OCPP 1.6/2.0.1 functionality including Smart Charging, with future upgrade capability to OCPP 2.1.



One-Click Snap-in
Installation



Support ISO15118



Support OCPP1.6J
OCPP2.0.1



ALM / DLB



Station-Level Mass
Commissioning



APP,RFID Card
POS Kiosk
Mobile Payment



Digital Twin
O&M Platform



Green Energy
Integration

Technical Specifications

LCD Version

Digital Display version

Product Information

Charging mode	Mode 3
Part Number	UW12-J0650CA0002 UW12-J0610CA0002
Input/output power rating and current	12kW (240V AC*50A) ,Output amperage adjustable via mobile app, from 6A to 50A, support 16A,24A,32A,40A,48A,50A via dip switch
Input/output voltage	208/240V AC 50/60Hz, support HiLeg Delta wiring configuration
Input power connections	L1, L2, Input power connections and Earth Ground
Input cord	Hardwired
Connector type	SAE J1772 or SAE J3400/NACS
Charging cable length	6m(19ft)
Ground fault detection	20mA CCID
Protection	Overcurrent, overvoltage, undervoltage, integrated surge protection
Card reader	ISO 15693, ISO 14443 A/B
Metering accuracy	±1%, NTEP/CTEP Certified
Vehicle communication	ISO15118-2/20
Authentication methods	Plug&charge, Autocharge, RFID, Third-party apps

General Characteristics

Enclosure rating	NEMA 4X, IK10
Operating altitude	2000m
Operating temperature range	-31 to 122°F (-35 to 50°C) (Derate when above 113°F (45°C))
Storage temperature range	-40°F ~ +158°F (-40°C ~ +70°C)
Mounting	Wall or floor using a pedestal (ADA)
Dimensions (H×W×D)	12.4 × 6.7 × 4.6 inch (315 × 170 × 117 mm)

User Interface

Status indication	5 inch,800*480 touch screen+ Leds Digital tube + Leds
User interface	Autel Charge APP; Autel Charge Cloud
Connectivity	4G, Wi-Fi, Ethernet, RS485, Wisun
Communication protocols	OCPP 1.6J, OCPP 2.0.1
Current control method	APP, hardware DIP switch(Dial)

Software Update

Software update	OTA updates via web portal
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Certification and Standard

Safety standards	UL 2594, UL 2231-1, UL 2231-2, UL 1998, CSA C22.2. NO.280
Codes and standards	FCC Part 15 Class B , ENERGY STAR , OpenADR 2.0b, NEC Article 625
Lifespan	10+ years
Warranty	5 years

*The 5-year warranty applies to the charger body only. A1-year warranty is applicable for charging cable and connector.

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