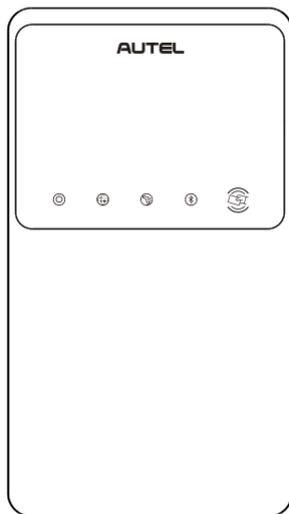


AUTEL®

MaxiCharger AC Wallbox



Quick Reference Guide

Kurzanleitung

Version 2.0

Thank you for purchasing this Autel MaxiCharger AC Wallbox. Our equipment is manufactured to a high standard and - when used according to these instructions and properly maintained - will provide years of trouble-free performance.

Scan the QR code below to access the manuals and CE certificate.



IMPORTANT: Before operating or maintaining this device, please read these instructions carefully, paying extra attention to the safety warnings and precautions. Failure to use this product properly may cause damage and/or personal injury and will void the product warranty.



WARNING

- This equipment should only be installed by a licensed electrician in accordance with all local codes and ordinances.
- Do not install or use the device near flammable, explosive, harsh, or combustible materials, chemicals or vapors.
- Turn off power at the circuit breaker before installing or cleaning the MaxiCharger.
- Children should be supervised when around this device.
- This device must be grounded through a permanent wiring system or an equipment-grounding conductor.
- Use the device only within the specified operating parameters.
- Do not use the device if it is defective, appears cracked, frayed, broken, or otherwise damaged, or fails to operate.
- Do not use the device if the flexible power cord or EV cable is frayed, broken, or otherwise damaged, or fails to operate.
- Do not attempt to disassemble, repair, tamper with or modify the device.
- Handle the device with care during transportation. Do not subject it to strong force or impact or pull, twist, tangle, drag or step on the device, to prevent damage to it or any components.
- Do not insert fingers or foreign objects into any part of the device.

CAUTION

- Do not use private power generators as a power source for charging.
- Incorrect installation and testing of the device could potentially damage the vehicle's battery, components, and/or the device itself.
- Do not operate the device in temperatures outside its operating range.

Technical Specifications

Item	Description
Charging mode	Mode 3
Input/Output power rating and current	Up to 22 kW/32 A
Input/Output voltage	400 V \pm 15%, three-phase, 50 Hz
Network type	TT, TN
Connector type	IEC 62196 type 2 plug, 5 m IEC 62196 type 2 socket or socket with shutter
Residual current detection	AC 30 mA + DC 6 mA
Protection	Overcurrent, overvoltage, undervoltage, integrated surge protection
Card reader	ISO 15693, ISO 14443, NFC 18092
Power measurement accuracy	\pm 1.0% Build-in MID certified meter (only applicable to the products with LCD screen)
IP and IK rating	IP65 (IP54 for socket version), IK10 (screen: IK08)
Operating altitude	Max. 2000 m above sea level
Operating temperature range	-40 to +55 °C
Storage temperature range	-40 to +85 °C
Mounting	Wall or floor using a pedestal
Dimensions (H x W x D)	336 x 187 x 85 mm
Status indication	LED, app, touchscreen (5-inch LCD, 800 x 480 mm)
User interface	Autel Charge app, Autel Charge Cloud
Connectivity	Bluetooth, Wi-Fi, Ethernet, 4G, CAN, RS485, Modbus TCP/IP
Communications protocol	OCPP 1.6J
User authentication	APP, RFID card, Auto-Start
Software update	OTA updates via web portal
Safety and compliance	IEC 61851-1, IEC 62955, EN 62311, EN 50665
Certifications	CE (TUV)
Warranty	36 months

Product Overview

MaxiCharger AC Wallbox

1. LED Indicators (From left to right)

- Power LED
- Internet Connection LED
- Charging LED
- Bluetooth Connection LED

2. RFID Reader

3. AC Input Cable

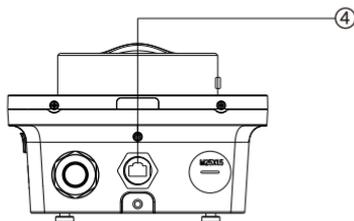
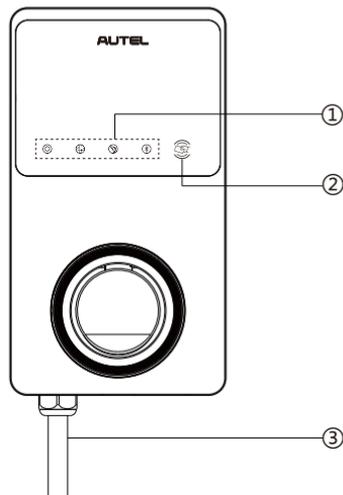
4. RJ45 Ethernet Port

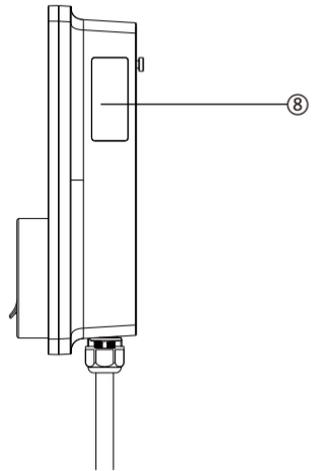
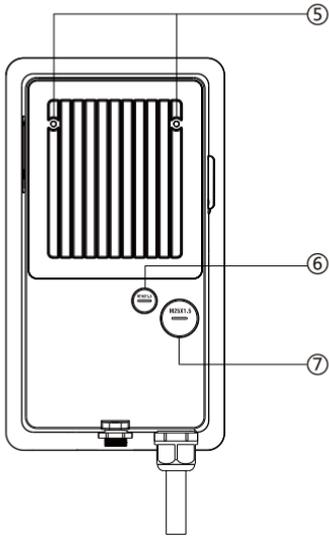
5. Mounting Screws

6. Rear Entry Signal Conduit Plug

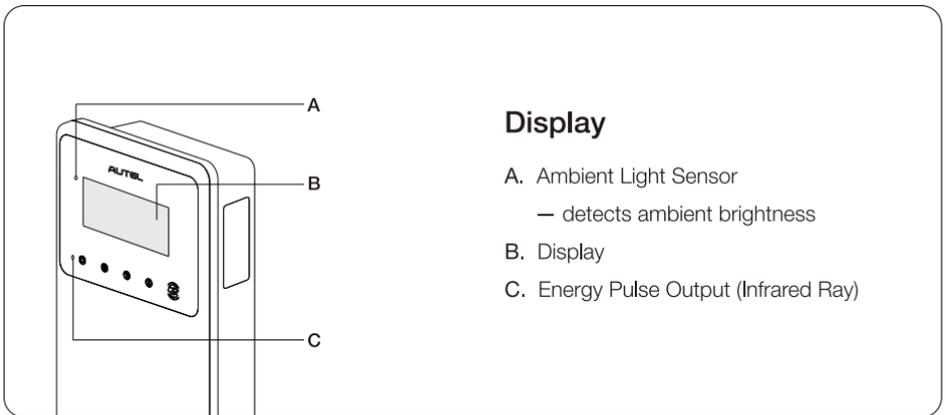
7. Rear Entry Power Conduit Plug

8. Product Label



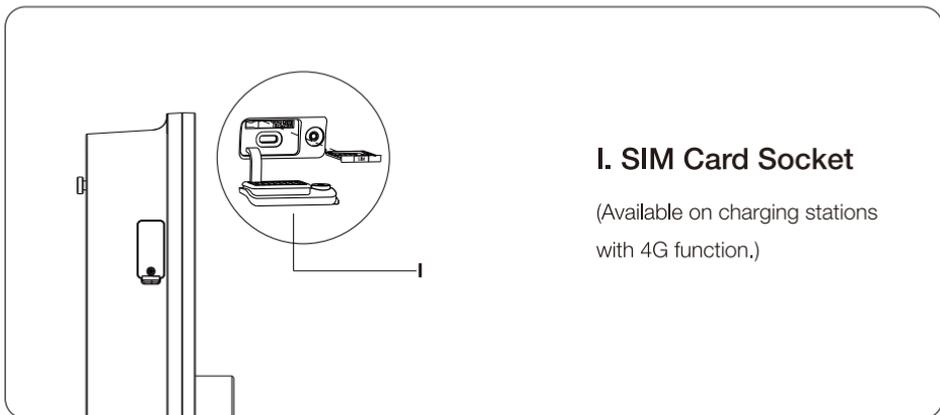
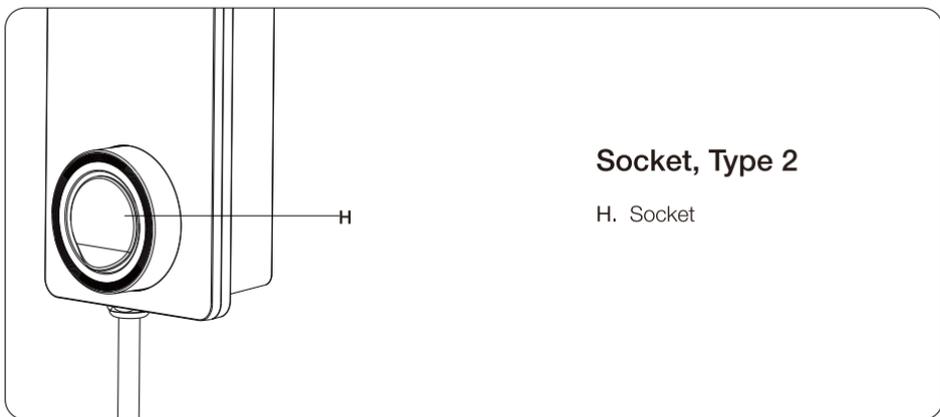
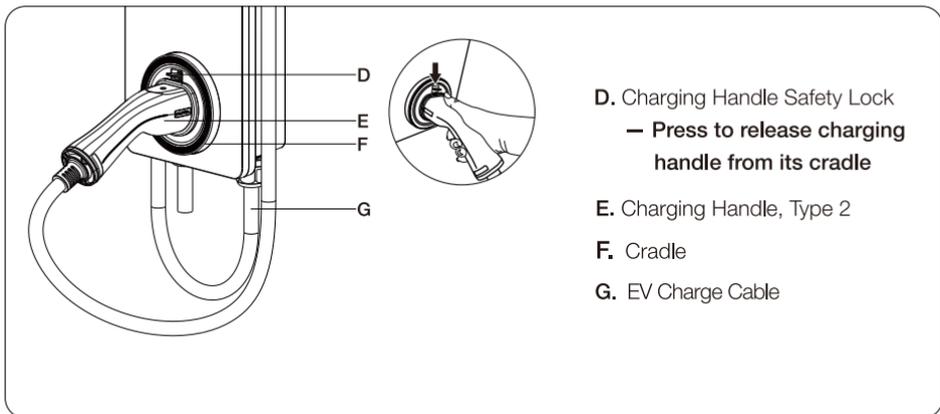


Optional



Display

- A. Ambient Light Sensor
— detects ambient brightness
- B. Display
- C. Energy Pulse Output (Infrared Ray)



LED Indicators

LED	Description
Power LED	<ul style="list-style-type: none">• Solid Green: The MaxiCharger is on.• Off: The MaxiCharger is off.• Flashing Yellow: Data transmission starts and firmware is upgrading.• Solid Yellow: Firmware upgrade fails.• Solid Blue: Data transmission fails; will turn solid green in five seconds.
Internet Connection LED	<ul style="list-style-type: none">• Solid Green: The MaxiCharger is connected to the Internet via Wi-Fi, LAN or cellular network.• Off: The MaxiCharger is not connected to the Internet.
Charging LED	<ul style="list-style-type: none">• Solid Blue: An electric vehicle is connected.• Flashing Blue: A schedule is active.• Flashing Cyan: The charging station is reserved.• Flashing Green: An electric vehicle is charging.• Solid Green: A charging session has ended.• Off: No electric vehicle connected.• Solid Yellow: A recoverable error has occurred.• Solid Red: An irrecoverable error has occurred. (Please contact support.)
Bluetooth Connection LED	<ul style="list-style-type: none">• Flashing Green: The MaxiCharger is connected to a mobile device via Bluetooth.• Off: The MaxiCharger is not connected via Bluetooth.

Getting Started

Preparing for Installation

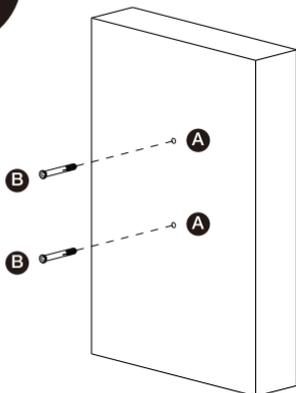
- Install the MaxiCharger on a flat and vertical surface capable of supporting its weight (e.g. wall, pedestal, etc.). The maximum weight of a MaxiCharger AC Wallbox is about 6 kg (13 lb.).
- Install the MaxiCharger in a location that allows the charging cable to remain within its bending tolerance.
- The recommended installation height is between 850 and 1150 mm.
- Position the MaxiCharger in a location where it is not vulnerable to being damaged.

Installing the MaxiCharger

- Ensure that you have all the required tools and parts (refer to the Packing List) ready prior to installation.
- Make sure to switch off all electrical power before installation.
- The charging station should only be installed by personnel who are trained and qualified to work on electrical systems.

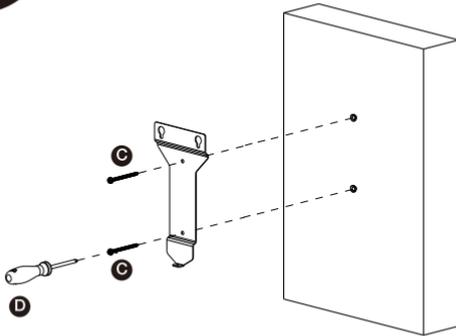


1



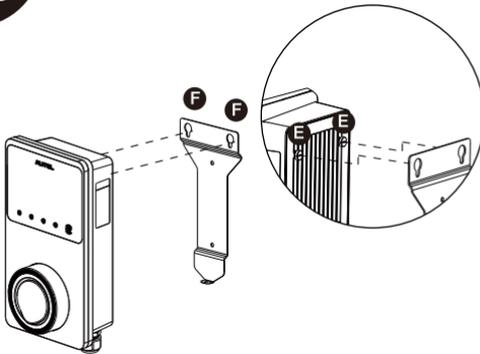
1. Place the wall dock on the wall and level it using a spirit level or a similar tool.
2. Mark the two lower mounting holes (A) with a pencil and drill two 8 mm holes.
3. Insert two 8 mm diameter wall plugs (B) into the lower mounting holes.

2



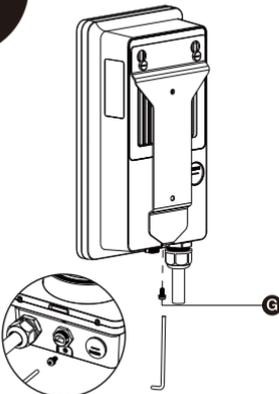
1. Attach the wall dock to the mounting location by screwing two M6 x 50 screws (C) into the lower mounting holes.
2. Tighten the two M6 x 50 screws using the screwdriver type PH2 (D).

3

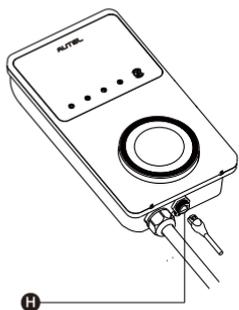


Attach the main unit to the wall dock by inserting the two protruding screws (E) on the back of the main unit into the two upper mounting holes (F). Slide the main unit downwards.

4

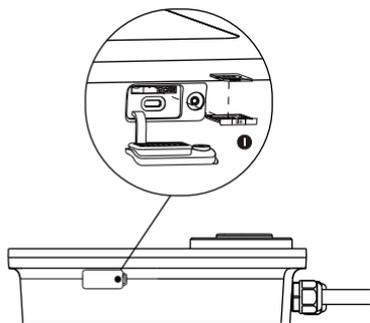


Screw the included M5 x 12 screw (G) into the hole at the bottom of the main unit and tighten the screw to secure the main unit using the screwdriver type T25.



The MaxiCharger can be connected to the Internet either by Ethernet connection or a SIM card.

a) To connect via Ethernet cable, put the RJ45 plug of the Ethernet cable into the RJ45 port (H) at the bottom of the MaxiCharger.



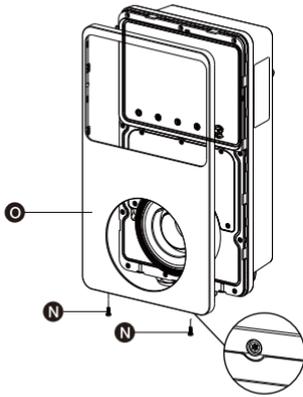
b) To connect via the SIM card, remove the SIM card cover by first unscrewing the M3 x 10 screw using the screwdriver type T10. Then, remove the SIM card adapter (I) using the pin and place the card into it. Make sure that the card is inserted correctly. Install the SIM card cover back by following procedures above in reverse order.

Power Supply Wiring

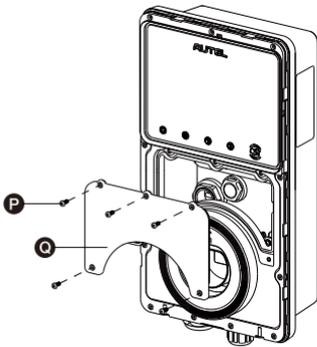
Removing the Covers

IMPORTANT:

- Consult your local electrical codes for the correct wire size, based on the environment, the conductor type, and the rating of the charger.
- Ensure that all the screws are tightened to the correct torque after the wiring is completed, and that there are no loosen screws at the terminal blocks.
- Ensure there is no copper wire or debris left inside of the charger before switching on the electrical power to the charger.



1. Remove the two screws (N) at the bottom of the MaxiCharger with the screwdriver type T10 to remove the maintenance cover (O).

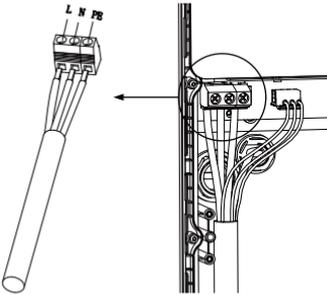


2. Unscrew the five screws (P) to remove the inner cover (Q).

Inserting the AC Input Cable

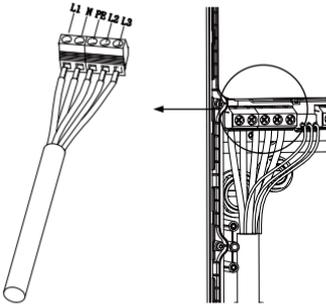
1. Strip the wires to 12 mm.
2. Put the AC input cable through the inlet hole.

Connecting the AC Input Cable, Single-phase



1. Loosen the screws.
2. Insert the cable connector into the terminal block.
3. Connect the below wires:
 - Earth (PE, green/yellow striped)
 - Neutral (N, blue)
 - AC input wire (L, brown)
4. Tighten the screws to 2 N·m (17.7 in·lbs).

Connecting the AC Input Cable, Three-phase



1. Loosen the screws.
2. Insert the cable connector into the terminal block.
3. Connect the following wires:
 - L1 (Brown)
 - Earth (PE, green/yellow striped)
 - Neutral (N, blue)
 - L2 (Black)
 - L3 (Grey)
4. Tighten the screws to 2 N·m (17.7 in·lbs).

NOTE: The wires (PE, N, L, etc.) are specified on the terminal box.

Reinstalling the Covers

1. Reinstall the inner cover by tightening the five screws to the right torque.
2. Reinstall the maintenance cover by tightening the two screws at the bottom of the MaxiCharger.
3. Switch on the electrical power to the MaxiCharger.

Using the Autel Charge App

1. Find your 8-digit PIN code on the Quick Reference Guide.
2. Scan the QR code below to download the Autel Charge app from the Google Play Store or Apple App Store.



3. Open the Autel Charge app and select a desired function to start.

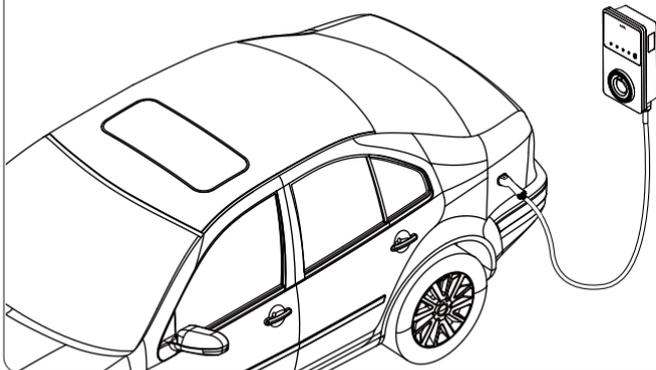
Using the MaxiCharger

To start charging:

1. Open the EV charging port.
2. Remove the charging handle from the cradle and plug it into your EV charging port.
3. If you use a charge card, tap it on the RFID reader to start charging. Or, if you use the Autel Charge app, tap **Start** on the screen to start charging.
4. Ensure your EV is charging. The charging LED on the charger should be flashing green. If you suspect your EV is not charging properly, try reconnecting the charging handle or contact Autel for support.

To stop charging:

1. If you use a charge card, tap it again on the RFID reader to stop charging. Or, if you use the Autel Charge app, tap **Stop** on the screen to stop charging.
2. Unplug the charging handle from your EV charging port and return it to the cradle.



NOTE: The illustrations in this Quick Reference Guide are for reference only. The appearance of the actual product may differ.