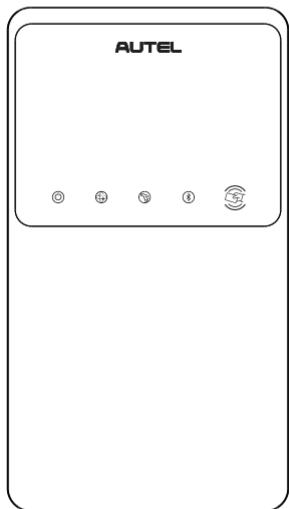


AUTEL®

MaxiCharger AC Wallbox



Quick Reference Guide

Web: www.autelenergy.com

MaxiCharger AC Wallbox

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.

Please scan the QR code to access the manuals.



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

- 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.
- An external RCBO with at least Type A must be installed in the upstream circuit since MaxiCharger has an internal DC fault current monitoring ≥ 6 mA. MaxiCharger includes DC leakage detection, which eliminates the need for an expensive upstream RCD type B.

Recommend:

7 kW: 30 mA Type A RCBO 230 V/40 A
11 kW: 30 mA Type A RCBO 400 V/20 A
22 kW: 30 mA Type A RCBO 400 V/40 A
Otherwise, comply with local regulations.

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.

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

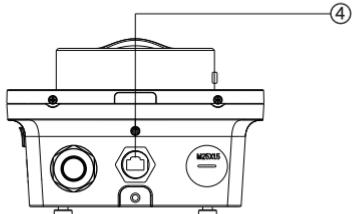
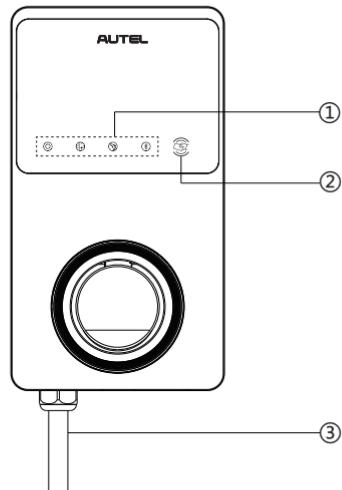
4. RJ45 Ethernet Port

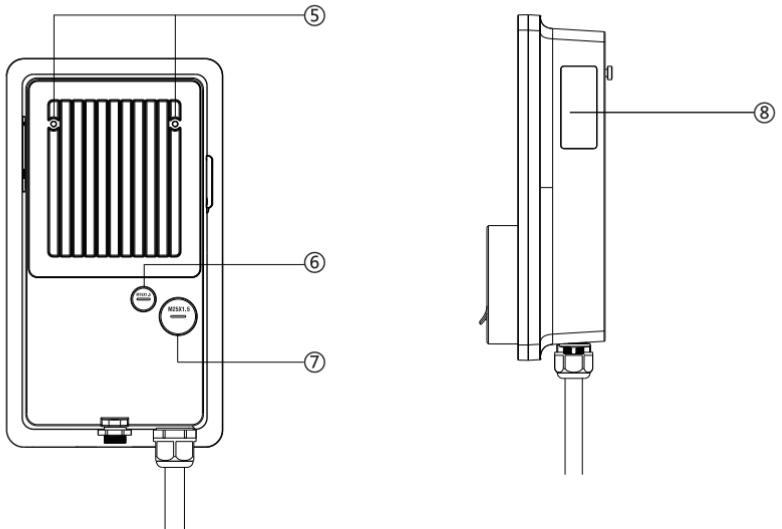
5. Mounting Screws

6. Rear Entry Signal Conduit Plug

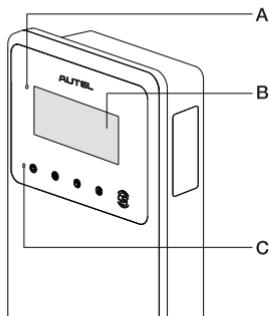
7. Rear Entry Power Conduit Plug

8. Product Label



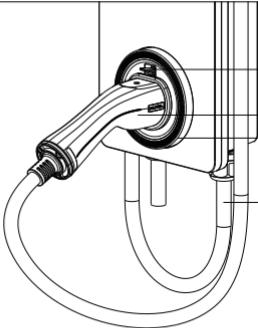


Optional



Display

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



D

E

F

G

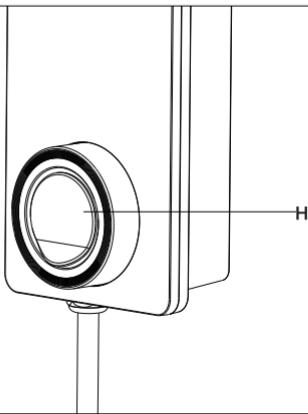
D. Charging Handle Safety Lock

- Press to release charging handle from its cradle

E. Charging Handle, Type 2

F. Cradle

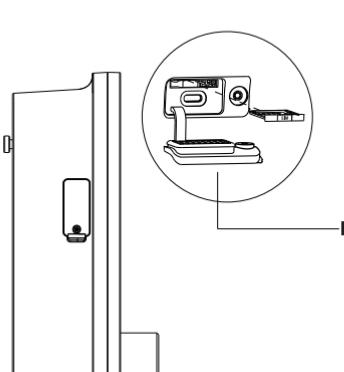
G. EV Charge Cable



H

Socket, Type 2

H. Socket



I. SIM Card Socket

(Available on charging stations with 4G function.)

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 Orange: 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.• Flashing Blue: The MaxiCharger is connected to a VCI (Vehicle Communication Interface) via Bluetooth.• Flashing Cyan: The MaxiCharger is connected to a mobile device and a VCI simultaneously via Bluetooth.• Off: The MaxiCharger is not connected via Bluetooth.

Getting Started

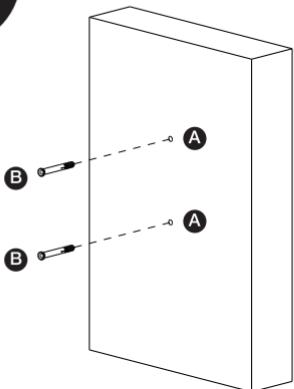
Preparing for Installation

- 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 700 and 1500 mm (28 and 59 inches).
- Position the MaxiCharger in a location where it is not vulnerable to being damaged.

Installing the MaxiCharger

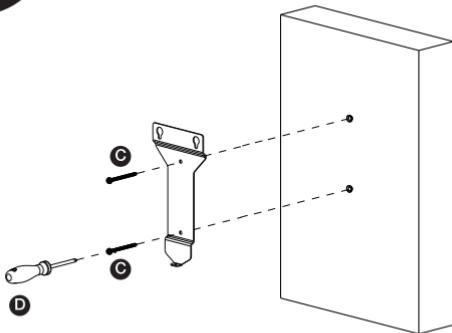
- Ensure that you have all the required tools and parts (refer to the Packing List) ready prior to installation.
- Make sure to switch off all electrical power before installation.
- The charging station should only be installed by personnel who are trained and qualified to work on electrical systems.

1



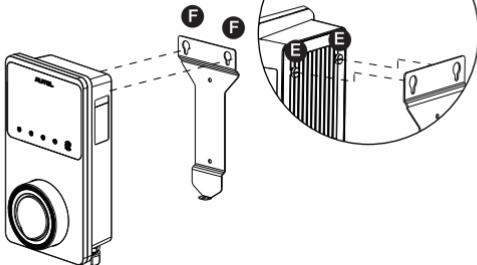
1. Place the wall dock on the wall and level it using a spirit level or a similar tool.
2. Mark the two lower mounting holes (A) with a pencil and drill two 8 mm holes.
3. Insert two 8 mm diameter wall plugs (B) into the lower mounting holes.

2



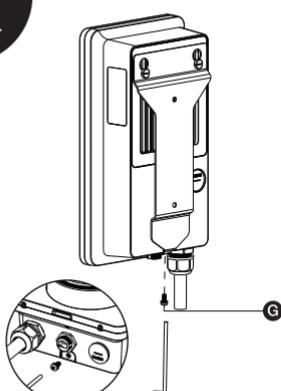
1. Attach the wall dock to the mounting location by screwing two M6 x 50 screws (C) into the lower mounting holes.
2. Tighten the two M6 x 50 screws using the screwdriver type PH2 (D).

3

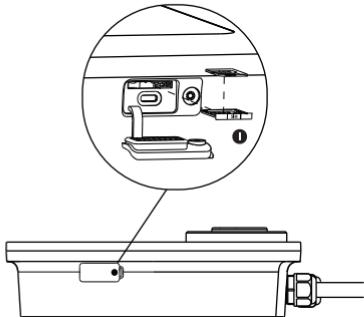
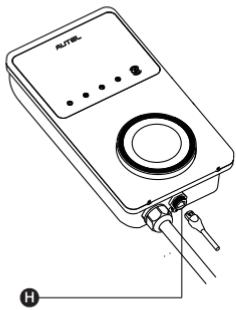


Attach the main unit to the wall dock by inserting the two protruding screws (E) on the back of the main unit into the two upper mounting holes (F). Slide the main unit downwards.

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.



1. 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.

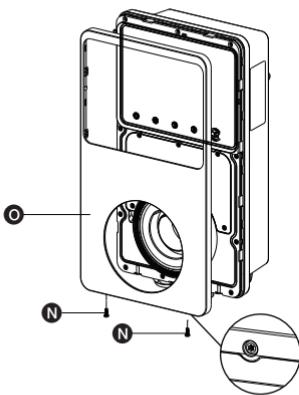
2. Switch on the electrical power to the MaxiCharger.

Power Supply Wiring

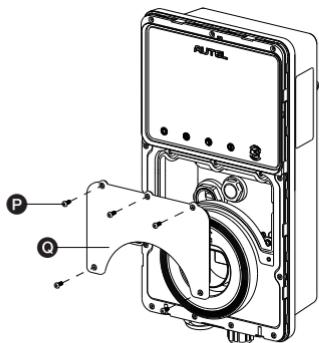
Removing the Covers

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).

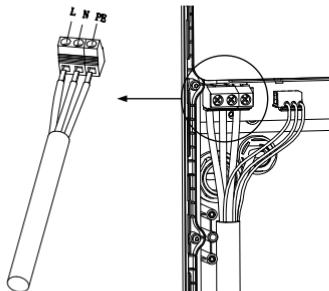


2. Unscrew the five screws (P) to remove the inner cover (Q).

Inserting the AC Input Cable

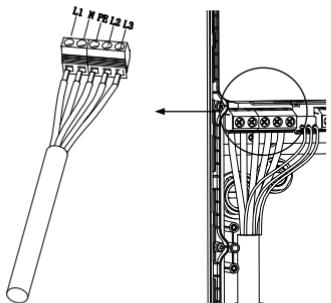
1. Strip the wires to 12 mm.
2. Put the AC input cable through the inlet hole.

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.

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.

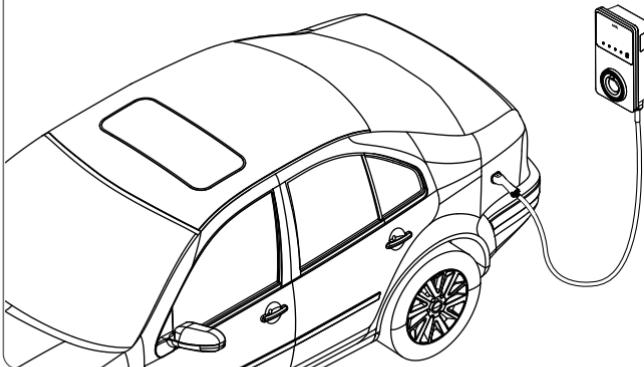
Using the MaxiCharger

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.



Product Service

Attestation of Conformity

No. N8A 114397 0003 Rev. 03

Holder of Certificate: Autel New Energy Co.,Ltd.

Room 101, Building B2, Zhiyuan
No.1001 Xueyuan Avenue, Changyuan Community, Taoyuan
Road
Nanshan District
518055 Shenzhen
PEOPLE'S REPUBLIC OF CHINA

Product: AC electric vehicle charging station

This Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for testing and certification. For details see: www.tuv-sud.com/ps-cert

Test report no.: 64105213015904

Date, 2022-03-25

(Glenn Liu)

Page 1 of 3

After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.



Attestation of Conformity

No. N8A 114397 0003 Rev. 03

Model(s):

Maxi EU AC series

Maxi EU1 AC series

(Maxi U W - XX - YY - ZZ)

I II III IV V

I: "U" denotes for basic model designation,

"U" can be:

EU AC: EU AC series

EU1 AC: EU1 AC series

II: "W" denotes for power, "W" can be:

W7: 7.4kW

W11: 11kW

W22: 22kW

III: "XX" denotes for vehicle connection method,

"XX" can be:

BC3: vehicle connector with 3m cable at the condition of without connector holder

BC5: vehicle connector with 5m cable at the condition of without connector holder

C3: vehicle connector with 3m cable

C5: vehicle connector with 5m cable

S: socket-outlet

H: shutter-outlet

IV: "YY" denotes for wireless function,

"YY" can be:

4G: 4G function embedded

Blank: Standard type

V: "ZZ" denotes for colour, "ZZ" can be:

DG: dark grey

WH: white

RG: rose gold

SV: silver)



Product Service

Attestation of Conformity

No. N8A 114397 0003 Rev. 03

Parameters:

Rated input Voltage (V):	For Maxi U W22-XX-YY-ZZ series: 3P+N+PE, 400Vac±15%, 50Hz; For Maxi U W11-XX-YY-ZZ series: 3P+N+PE, 400Vac±15%, 50Hz;
Rated input current(A):	For Maxi U W7-XX-YY-ZZ series: 1P+N+PE, 230Vac±15%, 50Hz. For Maxi U W22-XX-YY-ZZ series: 32A; For Maxi U W11-XX-YY-ZZ series: 16A; For Maxi U W7-XX-YY-ZZ series: 32A.
Output voltage (V):	Same as input voltage.
Output current (A):	Same as input current.
Output power(kW):	For Maxi U W22-XX-YY-ZZ series: 22kW; For Maxi U W11-XX-YY-ZZ series: 11kW; For Maxi U W7-XX-YY-ZZ series: 7.4kW.
Protection class:	Class I
Degree of protection:	For Maxi U W-BC3-YY-ZZ series: IP65; For Maxi U W-BC5-YY-ZZ series: IP65; For Maxi U W-C3-YY-ZZ series: IP65; For Maxi U W-C5-YY-ZZ series: IP65; For Maxi U W-S-YY-ZZ series: IP54; For Maxi U W-H-YY-ZZ series: IP54.
Working temperature (°C):	-30 ~ 50°C

Tested according to:

EN IEC 61851-1:2019

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After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.

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