OCULAR



LTE PLUS

USER MANUAL & INSTALLATION GUIDE

OC20-BC-7KW-PLUS-V3
OC20-BC-22KW-PLUS-V3

Version 3.2 - *05NOV2026*

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IMPORTANT!

Read this entire document before installing or using the charger. Failure to do so or to follow any of the instructions and warnings in this document can result in fire, electrical shock, serious injury, or death.

The charger must be installed by a qualified electrician.

The entire installation must comply with the latest "AS/NZS 3000:2018 & AS/NZS 3008 standards"

Welcome to your Ocular LTE Plus!



Resource Library

FAQs

Follow the links or scan to QR codes to access all our user manuals and technical documents. You will also find answers to the most common questions we receive.

Download the EVSE Master app



Download on the App Store

GET IT ON Google Play

Click here to download

Click here to download

SAFETY WARNING 

Failure to follow instructions may result in danger!

- Regularly check whether the charger has visible damage.
- Make sure that all safety facilities are always available and test regularly to ensure proper operation.
- Before powering on the device, please confirm that the device is properly grounded.
- Do not modify, retrofit, or change any part by yourself under any circumstances.
- The environment for use of the equipment should be kept as clean, at constant temperature and humidity as possible. The charger must not be used in the presence of volatile gas or flammable atmosphere.
- Be sure to confirm that the input voltage, frequency, circuit breakers and other conditions of the device have already met the specifications before the device is powered on.
- This product must be installed by authorized personnel.
- The height requirement of the plug holder is 0.4-1.5m above ground level.
- Adaptors or conversion adapters are not allowed to be used.
- Cord extension sets are not allowed to be used.
- This device is intended only for charging vehicles not requiring ventilation during charging.

USER MANUAL

SECTION 1
HOW TO CHARGE - LTE PLUS

Scan for a video overview of the EVSE Master app and how to start charging

1. CONNECT YOUR CHARGER AND APP

After installation, launch the EVSE Master app. You will see a home screen with a Connect button. Click it to connect to your charger. You may be prompted by your phone to turn on Bluetooth if it isn't already. A list will appear of available nearby chargers. Select the one you want to control to connect to it.

2. START A CHARGING SESSION

Plug the cable into your car, then you can either start charging on the app or from the button on the charger.

App

a. Open the app and navigate to general settings via the button in the bottom right-hand corner of the screen
b. Ensure the toggle "start charging by button" is switched OFF
c. Navigate back to the home charging page
d. Plug the charging cable into the car
e. Press the start charging session button

***As this is a Bluetooth charger, you must be in the vicinity of the charger to start/stop the charging session via the app.**

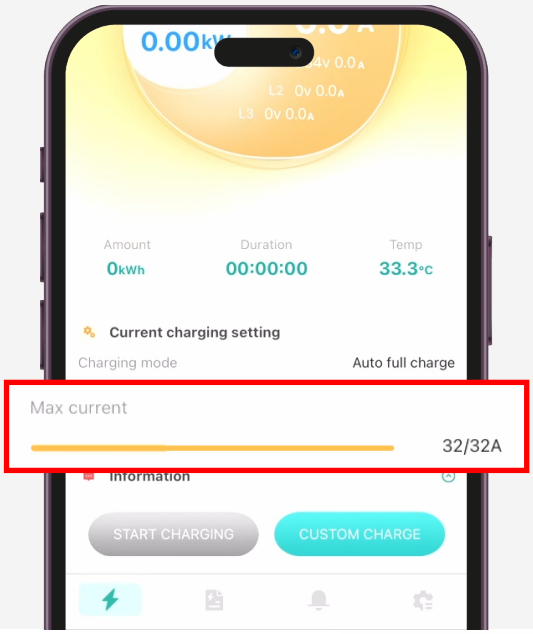
Charger Button

a. Open the app and navigate to general settings via the button in the bottom right-hand corner of the screen
b. Ensure the toggle “start charging by button” is switched ON
c. Plug the charging cable into the car
d. Press the silver button on the side of the charger

If your charger is not providing max charging speed, your current limit may be set too low.

You need to change the current limit by adjusting the slider up to 32A or by pressing the button on the side of the charger, while not plugged into a vehicle, to cycle through the available settings.

If there has been a hard limit set by the electrician, your max current limit may be less than 32 Amps.



3. STOP A CHARGING SESSION

App

If you started the charging session with the app, you must stop charging with the app. Press the stop charging button on the home charging page.

***As this is a Bluetooth charger, you must be in the vicinity of the charger to start/stop the charging session via the app.**

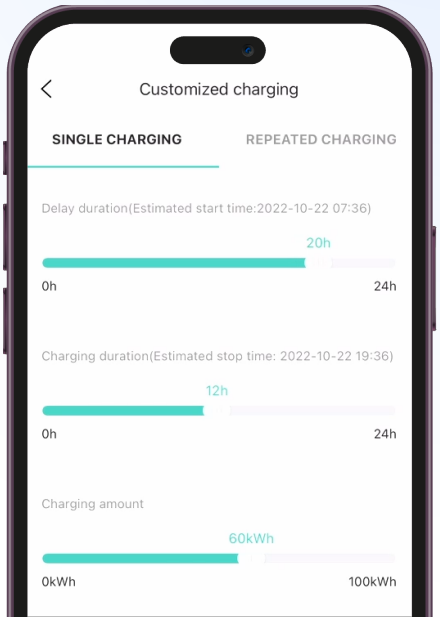
Charger Button

If you started the charging session with the silver button on the side of the charger, you must stop charging by pressing the button again.

SECTION 2
SCHEDULE AND DELAYED CHARGING

DELAY CHARGING

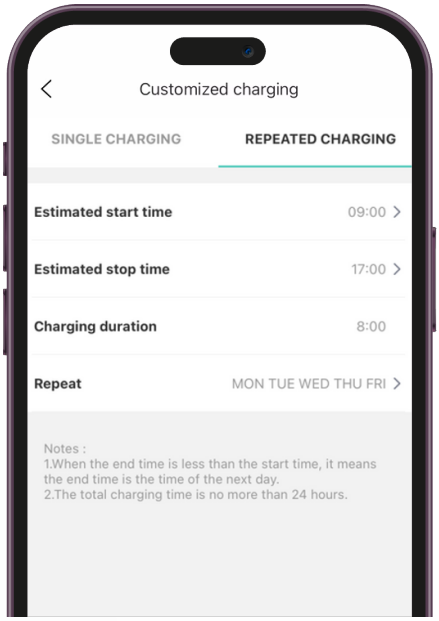
1. Press custom charge on the home page.
2. Press the single charging tab.
3. The first slider will delay the start time based on your choice-up to 24 hours.
4. The second slider determines the duration by choosing the stop time.
5. The last slider allows you to choose a set amount of kWh, and the charger will stop once the car has received this much power.



SCHEDULE CHARGING

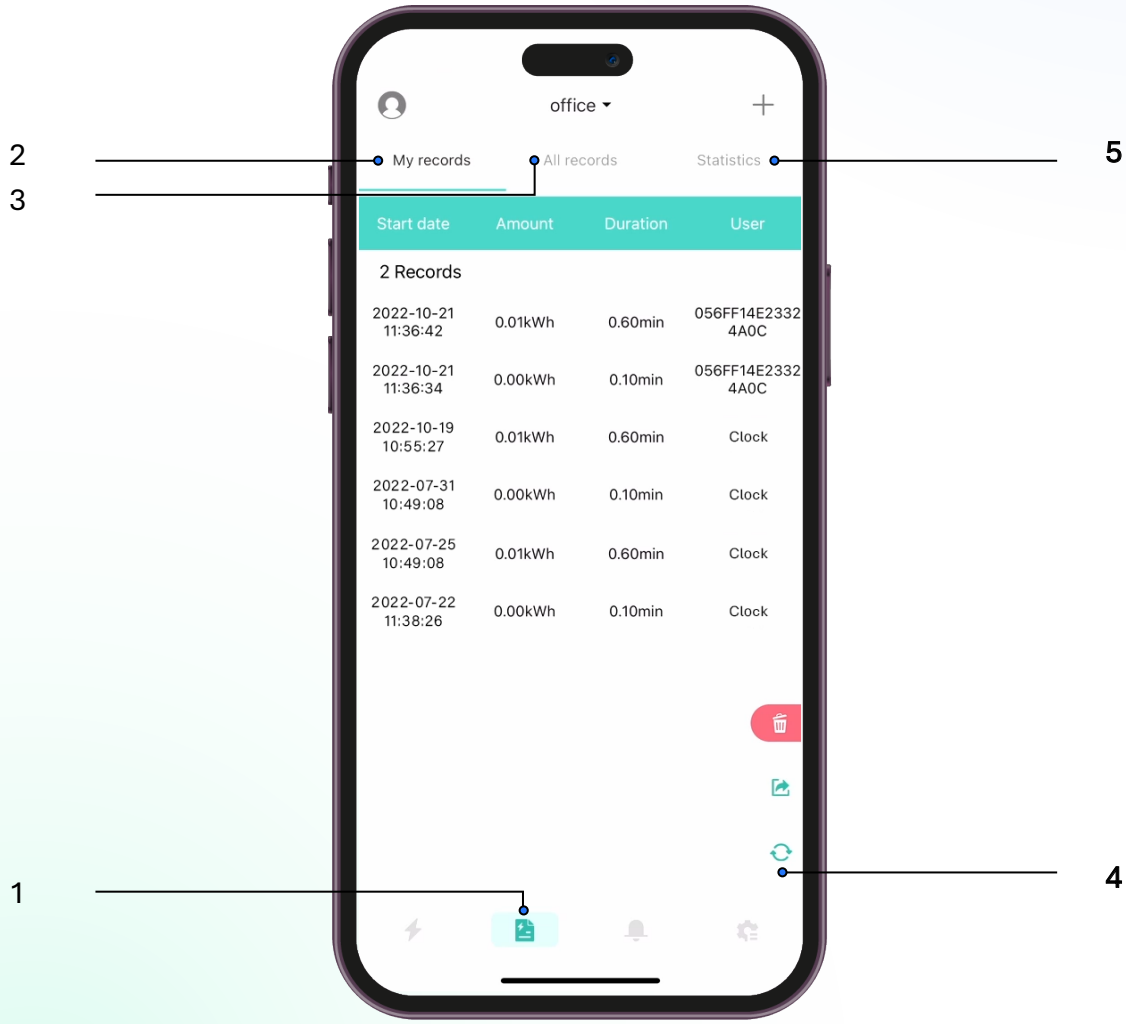
1. Press the repeated charging tab under the custom charge menu.
2. Choose your start and stop time, and you will be able to see the total charging duration during these times.
3. Choose the days you want to repeat this schedule.
4. The charging session will start and stop depending on this schedule.

*You must be plugged in before the start of the schedule.



SECTION 3
REPORTS AND STATISTICS

1. Records and Statistics page
2. My records tab: records of all charging sessions that were started on your phone.
3. All records tab: all charging records that were stored in the charger.
4. Refresh button: synchronise all charging records to your phone.
5. Statistics tab: graphs of Charging duration and Carbon emissions.



SECTION 4
TROUBLESHOOTING

PROBLEMS	SOLUTIONS
The charger will not charge the car	1. Unplug the charger from the car and then plug back in, making sure that the plug is pushed all the way into the socket. 2. Check if your car is fully charged or if there's a charging limit set on your car. 3. Check that the desired charging mode has been selected in the App. (See Section 1 for more information). 4. Check if there is a schedule set on the App.
The car charges slower than expected	1. The maximum charging current may be set lower than is desired. To change it, navigate to the charging page and adjust the max current slider (See Section 1 for more information). 2. There may have been a hard limit set by the electrician according to the power available at your house. Please consult your installer if you believe this value is incorrect. They will need to assess the available power at your house. 3. Double check if there's a charging current limit on your car.
I can't connect the app to the charger	Reboot your charger by turning off at the isolator switch next to the charger and then turn the switch back on.

WARRANTY

This charging station is subject to stringent quality inspections. Warranty is available within 3 years of purchase of your accessory.

Any incorrect handling, fair wear and tear, misuse, misrepair or neglect caused by the user resulting in direct damage and failure to the product cannot be covered by warranty.

This product is warranted for 3 years by Ocular. For all faults or warranty related questions or claims, please contact Ocular at **help@ocularcharging.com.au** or **1300 912 650**.

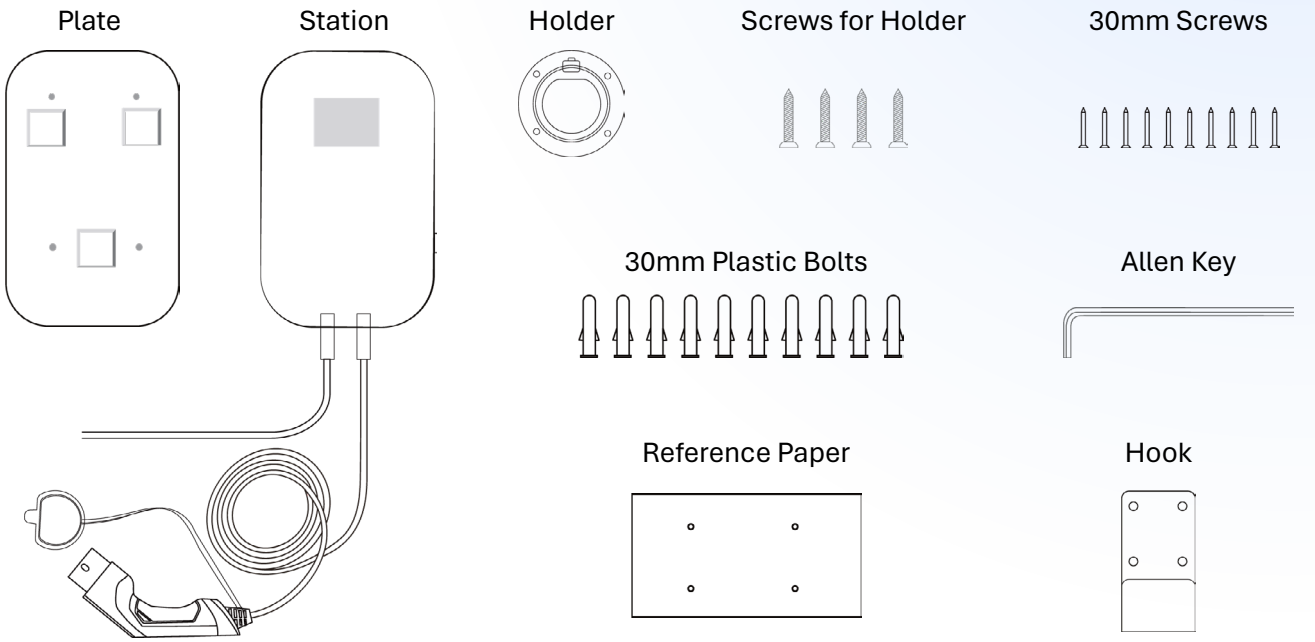
INSTALLATION GUIDE

SPECIFICATIONS		
Model Number	OC20-BC-7KW-PLUS-V3	OC20-BC-22KW-PLUS-V3
Power Output	7.2kW (1- Phase)	22kW (3- Phase)
Charging Connector	Tethered 6m Type-2 Cable	
Display	3.5” LCD Screen + LED indication lights	
Frequency (Hz)	50Hz	
Input and Output Voltage	230V ± 20% per phase	
Input and Output Current	32A MAX per phase	
Operating Temperature	-30°C to +55°C in operation	
Storage Temperature	-40°C to +75°C in storage	
Working Humidity	95% relative humidity, non-condensing	
Control Methods	Mobile app (bluetooth), physical button, start on plug OCPP (1.6J via ethernet only, additional configuration required)	
Internet Connection	Ethernet (only used for OCPP)	
IP Performance	IP55	
Internal RCD	30mA AC + 6mA DC	
Electrical Protection	Over current, Short circuit, Over voltage, Under voltage, Ground fault, Lightning surge, Over temperature, Earth leakage	
Meter	Integrated Energy Meter	
Standby Power Consumption	<15W	
Mounting	Wall mountable	
Dimension (H x W x D, mm)	318 x 200 x 80 mm	
Net Weight	6.5 kg	8.5 kg
Recommended Cable Breaker	40A single phase type A RCBO	40A three phase type A RCBO
Recommended Cable Size (50m run)	$10mm^2$ 2C+E	$10mm^2$ 4C+E
Certification	CE, TUV, FCC, CSA, RoHS, RCM	
Warranty	3 years	

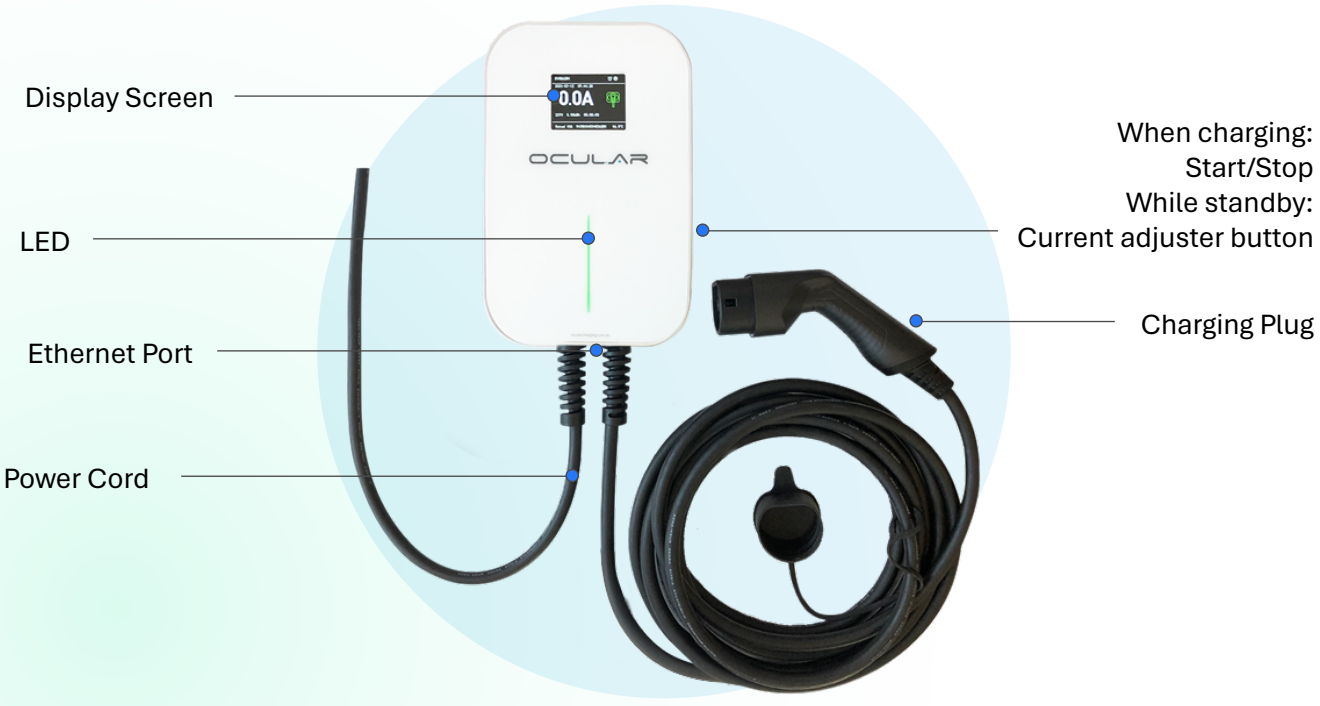
OCULAR LTE PLUS OVERVIEW

ACCESSORIES OF TETHERED MODEL

It is the installer's responsibility to provide and install a suitable RCBO, cabling and isolator switch to complete the installation.



PRODUCT OVERVIEW



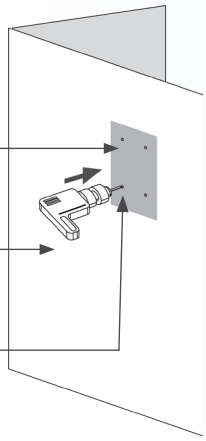
INSTALLATION GUIDE

1

Place **reference paper** on wall

Wall

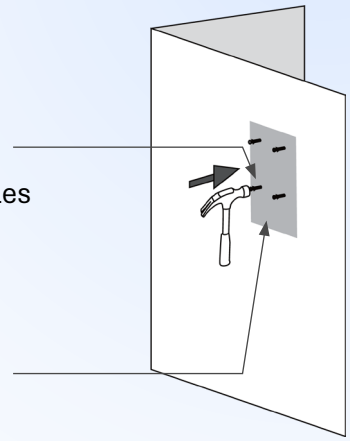
Drill the holes according to the **reference paper**



2

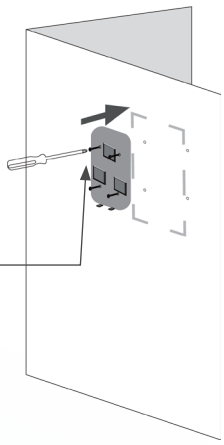
Hammer the **30mm plastic bolts** into the holes

Take down the **reference paper** from the wall



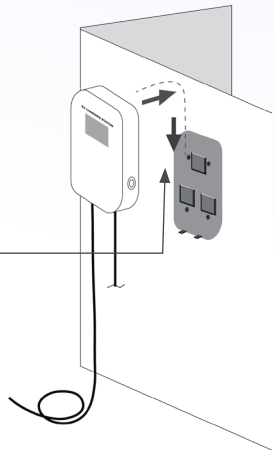
3

Fix the **plate** with **30mm screws** on the wall



4

Embed **station** into **plate** on the wall. Use Connector Clip to connect base plate to charger

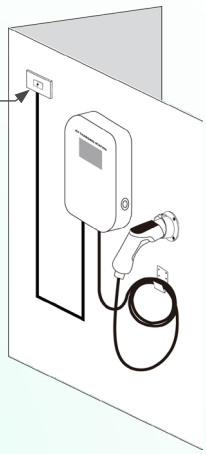


5

Isolation switch

This is what the charger, holder and isolator should look like after installation.

Install the **hook** and **holder** nearby the charger



6

Peel off the plastic protector

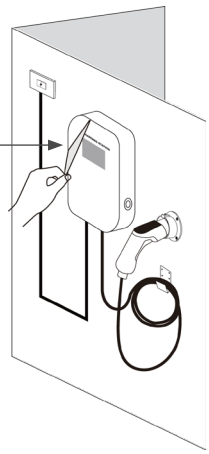
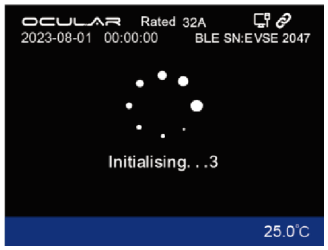
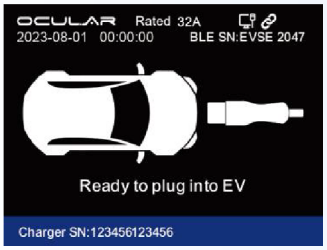


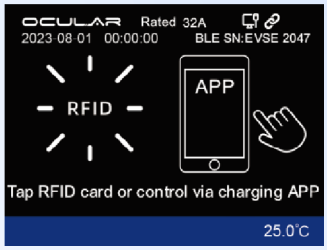
ILLUSTRATION OF SCREEN AND LED



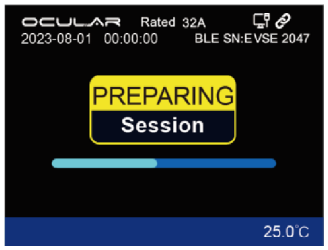
Power on initializing page



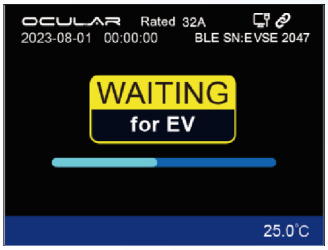
Idling page



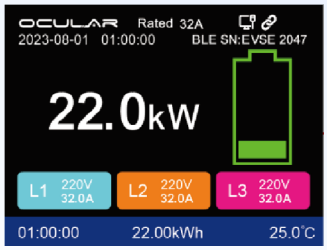
Start charging from app or button



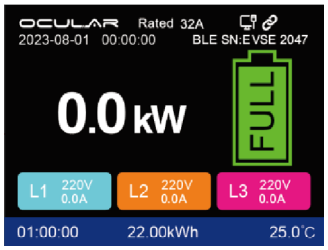
Preparing to charge



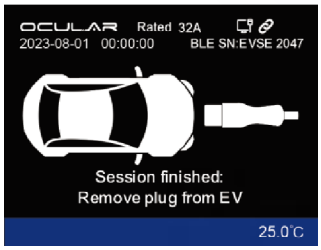
Waiting for EV



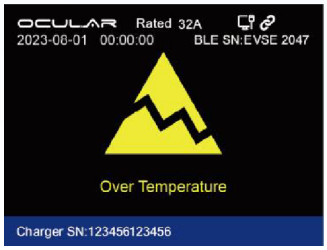
Charging interface



Fully Charged page

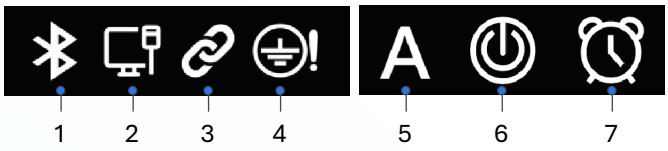


Finishing page



Fault page

ICON DESCRIPTION



1. **App connection icon**

   represents that the current charger has not been time calibrated by connecting to the phone, and this icon disappears when the time is synchronized;

   represents that the current charger has been connected to the phone via Bluetooth.

2. **Network connection icon**

   indicates that the current Ethernet network is connected

   indicating that the Ethernet network is not connected;

3. **OCPP connection icon**

   indicates that the current OCPP connection is normal

   indicating that the OCPP is not connected;

4. Grounding fault icon

If there is a poor grounding of the charging station, this icon will appear. If the grounding is normal, the icon will not appear.

5, 6, 7. Charging start mode icon

After starting charging, different letters represent different charging modes,

“**A** [App]”represents start charging using the APP;

“**B** [Button]”represents start charging using the button; will appear at 6.

“**S** [Scheduled]” represents scheduled charging; will appear at 7.

“**P** [Plug to start]” represents start charging on plug;

Before starting charging, the letter “**D** [Delayed]” indicates entering a single scheduled charging, and after charging started, it will change to “**A** [App]”

Instruction of LED status	Idle	Connected	Charging	Finished	Error
	 Off	 Continuous light	 Rolling	 Continuous light	 Red flashing

Note: The Ocular LTE Plus will automatically restart when minor problems occur.

For serious failures, the system cannot automatically recover. In order to remind user of this failure, the system will automatically countdown 10 seconds to restart.

ADJUSTMENT OF MAXIMUM CHARGE RATE

The maximum charge rate of the charger can be permanently set. This is useful when the charger is installed at a location where the default maximum of 32amps cannot be safely supplied, or in areas where the maximum rate is restricted by local regulations. Once the maximum charge rate has been set, it will remain set even when the charger is turned off and on again. The user will still be able to select a charge rate between the minimum rate (8A) and the maximum rate. They can do this by pressing the button on the side while not plugged into a vehicle.

To permanently set the maximum charging rate of the charger:

1. Switch off the charger using the isolation switch.
2. Switch on the charger using the isolation switch.
3. Wait for the system self-check to complete (5 second countdown timer in green text).
4. Within 20 seconds of the charger turning on, press the button on the side of the charger 12 times in quick succession. On the 12 button press, do not release but hold the button down for 5 seconds.

Note: If you miss the window, start the process again from Step 1.

5. A new screen will be displayed showing a warning that only licensed electricians are authorized to set the maximum charging limit.
6. You will have twenty seconds to select a new maximum charging speed. Press the button on the side of the charger to cycle through the available options. The options include, 8A, 15A, 20A, 24A, 32A.
7. Once the required maximum rate is selected, wait 20 seconds and the selection will be automatically confirmed.
8. Verify that the maximum rate has been correctly selected by checking the bottom right-hand corner of the screen. It should read “MAX xxA” with the selected maximum Amp value being displayed.

Caution: The maximum charging rate can only be set and modified by an authorised and licensed electrician.

Changing the maximum charging rate without authorisation will void warranty and may go against local regulations.

MAINTENANCE

Ocular LTE Plus is only recommended for use in residential applications and use outside of this area (i.e. for commercial application) is outside of warranty.

The product should be placed at an ambient temperature of -25C~+55C in relative humidity of no more than 95%. The air should not contain acids, alkalis, or other corrosive and explosive gases.

Ocular Charging Stations are subject to stringent quality inspections. From the day of purchase, any problem quality can be reflected to the dealer within two years.

Any direct damage or malfunction caused by neglect, incorrect use, installation, usage, repair by the users or natural damage are not covered by the warranty.

OCULAR

LTE PLUS

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