

Portable EV Charger

User Manual



English

EXPLANATION OF SYMBOLS

 The product meets the requirements the EU Directive.

 Do not throw the device in the household waste!
Dispose of the device via an approved waste disposal company or your local authority waste disposal facility. Observe the currently applicable regulations.
If in doubt, contact your local waste disposal facility.

 Caution! A dangerous situation can occur and can lead to dangerous injuries if the measures are not observed.

CHARGING DURATION

The duration of the charging process depends on the capacity and state of charge (SoC) of the high-voltage battery of your vehicle and the permissible charging capacity of the charging cable and the mains socket. At very low and very high temperatures the charging power can be impacted.

CLEANING AND STORAGE

Only clean the charger if it is not connected to the vehicle or the power socket. Only clean the charger and dirty contacts with a dry cloth. Never use abrasive detergent, water or steam jet cleaners. Never immerse the charger in liquids. Store the charger with the protective caps attached in a dry and clean place.

SAFETY INSTRUCTIONS



DANGER: Risk of death, serious injury and burns.

Improper handling of the charging cable can cause explosions, electric shock and short circuits. Observe the generally applicable safety precautions and the following instructions.

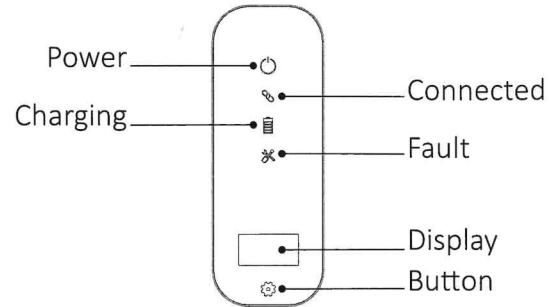
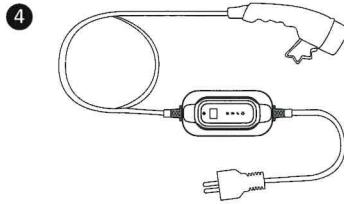
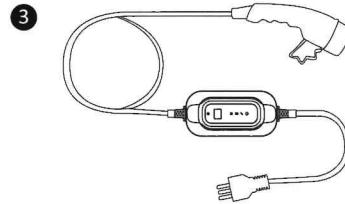
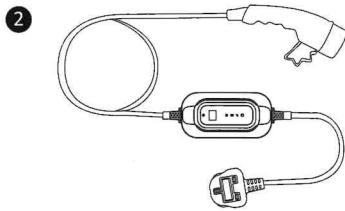
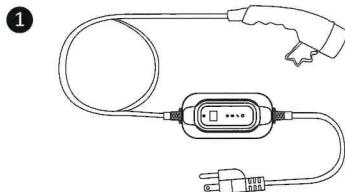
- Before using, check the charging cable and contacts for damage and dirt.
- Never charge with a damaged charging cable, control box, vehicle inlet or a damaged household socket.
- Never charge with contacts that become dirty or damp.
- Only connect the charging cable to vehicle inlets and household sockets that are protected from water, direct sunlight, moisture and other liquids.
- When the charging process is finished, you can disconnect the vehicle charging plug and the AC plug. Never pull them by force. Dangerous electric arcs can cause death and serious injury.
- There are electric vehicles that allow the vehicle to be started with the charging cable plugged in. Always make sure that the charging cable is disconnected before starting.
- Do not use the charger cable with an extension cable or adapter. Modifications or alterations are life-threatening and can lead to the immediate exclusion of the warranty.
- If the plug connection smokes or melts, never touch the charger cable. If possible, terminate the charging process.



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Introduction



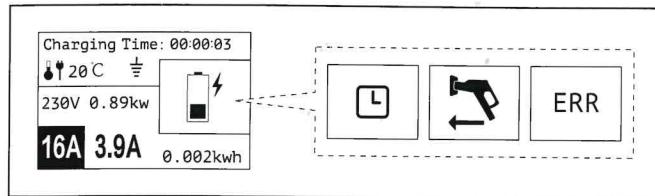
Specifications

Model	Power Supply Type	Product total length	Voltage	Current	Connector Type
EL220-03AC1-EU-B-T-P2C2	Type B 1 Phase	≥5M	110/120V AC	15A	T2
EL220-03AC1-EU-B-T-P4C2	Type G 1 Phase	≥5M	200-250V AC	13A	T2
EL220-03AC1-EU-B-T-P5C2	Type N 1 Phase	≥5M	200-250V AC	16A	T2
EL220-03AC1-EU-B-T-P7C2	Type F 1 Phase	≥5M	200-250V AC	16A	T2

Technical Parameters

Display

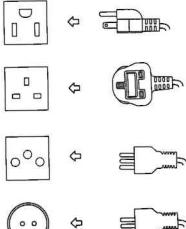
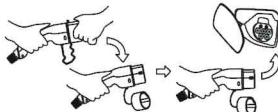
S/N	Item	Parameters
1	Rated voltage	110/120V AC 1ph 200 ~ 250V AC 1ph
2	Frequency	50/60 Hz
3	IP protection class	IP55
4	Operating temperature	-30 °C ~ +50 °C
5	Storage temperature	-40 °C ~ +85 °C
6	Humidity	Up to 75%, maximum value at 40 °C
7	Altitude	up to 2000 m
8	Protection	Over-voltage protection Under-voltage protection Over-current protection Short-circuit protection Ungrounded protection Over-temperature protection AC 30mA + DC 6mA
9	Operating instruction	LED & Display
10	Dimensions	200 (L) x 100 (W) x 55 (H) mm
11	Weight	1.75 kg
12	Standards	EN 62752:2016 EN IEC 61851-1:2019 IEC 62196-1:2014 IEC 62196-2:2016



00:00:03	Charging time	3.9A	Charging Current
20°C	Temperature	L	Timer
1/2	Grounding	Power Drill	Standby
230V	Voltage	Charging	Charging
0.89kw	Power	ERR	Error
16A	Rated Current	0.002kwh	Charged kWh

Operation Instruction

Start Charging

Step	Illustration	Operation
1		Insert the plug into the power socket.
2		Remove the protective cap and fully insert the charging connector into the EV charging inlet.
3		Start charging

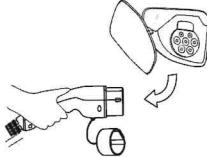
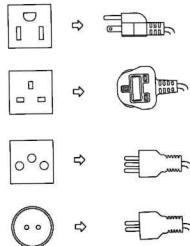
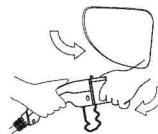
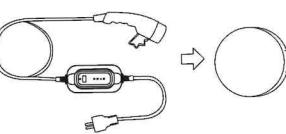
DANGER

Do not use the product if it is damaged or the cable is broken.

No unauthorized disassembly or repair.

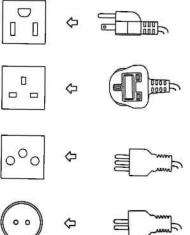
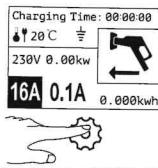
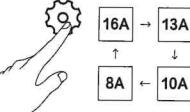
Do not clean the products using chemicals or while charging.

Stop Charging

Step	Illustration	Operation
1		Disconnect the charging connector from the EV.
2		Disconnect the plug from the power supply socket.
3		Close the protective shell of EV charging port, then cover the protective cap of the charging connector.
4		Put the portable charger into the package.

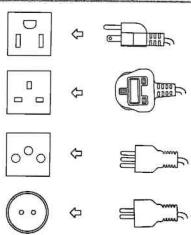
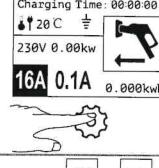
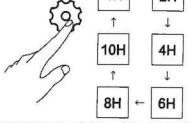
Function

Current Adjustment

Step	Illustration	Operation
1		Insert the plug into the power socket.
2		Press and hold the "setting" button for 2 - 4 seconds and release to enter the current adjustment menu.
3		Press the button to switch the maximum charging current (8-10-13-16A).
4		Press and hold the button for 2 seconds to confirm the selection.

CAUTION

- In order to adjust charging current, please make sure the power plug is firmly inserted into the socket and connector for the EV is disconnected.
- Please complete setting within 4 seconds at each step, otherwise the setting will abort.

Step	Illustration	Operation
1		Insert the plug into the power socket.
2		Press and hold the Setting button for more than 4 seconds to enter the Timer setting menu.
3		Press the button to switch the timer (1/2/4/6/8/10 hours).
4		Press and hold the button for 2 seconds to confirm the selection.

Notice:

In case you want to cancel the timer setting, you can use one of the two options below:

1. Disconnect the plug from the power socket.
2. Press the setting button for more than 4S.

Operation

1	Power Off				
2	Self - Check				
3	Standby				
4	Connected				
5	Charging				
6	Charge Complete				

Troubleshooting

7	CP Error				
8	Over/Under Voltage				
9	Over current protection				
10	Electric leakage protection				
11	No ground connection				
12	Temperature warning				
13	Persistent high temperature				

Display Light Status

Light	Status	Off	On	Blink
Power				
Connect				
Charging				
Fault				

Support

User Name: _____ Other Description: _____
 Product Model: _____ Date of manufacture: _____
 Product name: _____

Our company ensures that the products provided meet relevant inspection standards and comply with relevant laws and regulations. Our company provides free maintenance of products within two years.

Outside the warranty period, product damage caused by not using it in accordance with the operation manual, and product damage caused by unauthorized disassembly and assembly are not within the scope of our free maintenance.

E-mail: support_joycharge@joysonquin.com



General information

This User Manual is based on the latest product information at the time of publication.

Endless reserves the right to modify the product without prior notice.

Any changes or modifications made to the product may result in loss of warranty if they are not carried out by an approved service workshop.

If you have any questions regarding the use of this product, please contact your service representative.

For the customer service organisation responsible for your area please refer to the manual of your vehicle!

