



PORTABLE EV CHARGER MANUAL

Note: The manual contains all specifications,
please check the manual before use,
and confirm the specifications you purchased!

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IMPORTANT SAFETY INSTRUCTIONS

Please read these Important Safety Instructions and the charging instructions in your vehicle owner's manual before charging your electric vehicle. Failure to do so can result in death or serious injury. Save this user manual for future reference. There are many safety features built into the charger. Read all the safety information and warnings in this manual to be aware of any hazards and risks associated with using this charger.

SAFETY GUIDANCE

- ▲ Persons who install and use chargers must observe the principles and regulations to ensure safety. Before using charger, the electrical infrastructure should be checked by qualified electrician for suitability. Electrical infrastructure must comply with the charger specifications.
- ▲ Before turning on the unit, make sure that the unit is properly grounded to avoid unnecessary accidents
- ▲ Do not use wire extensions or adapter/convertors.
- ▲ Before charging always carry out a visual inspection for damage. The contact area of the charging plug should be free from dirt and moisture, the charging cable should not have cuts or abrasions of the insulation and the cable outlet of the charger must be checked to ensure that it is firmly seated.
- ▲ Unauthorised modifications, changes or repair of the charger is strictly prohibited and it leads the immediate exclusion of the warranty.
- ▲ The charger must not be used in the vicinity of volatile gases or flammable objects.
- ▲ Strictly forbidden for children to touch or use the device. Do not let children get close when using it.

- ⚠ Disconnect the charger only by the plug and not by the cable.
- ⚠ Do not disconnect the charger during the charging.
- ⚠ Only remove the charging label by the plug and not by the cable of the power outlet.
- ⚠ Only change the accessory adapters when the power supply is disconnected.
- ⚠ Stop using the device immediately when charging failure on abnormality occurs. Strictly forbidden to use the equipment in thunder and lightning weather.

Protect from moisture, rain, sunlight and corrosive environment
 Strictly forbidden to submerge AC charging device in water.
 This product is only used for charging electric vehicles, not for other purposes.

PRODUCT OVERVIEW

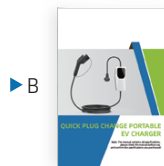
Portable EV charger is a household charging device for electric vehicles. The product meets the requirements of GB/T 18487 Mode 2 AC charging system. One end is an AC charging connector that meets GB/T20234, the middle is an control box on the cables, and the other end is a power plug.

BOX CONTENTS



Check the box to make sure you have all the components listed below (Picture 1). If any parts are missing, please contact Customer Service Department.

Three-phase version

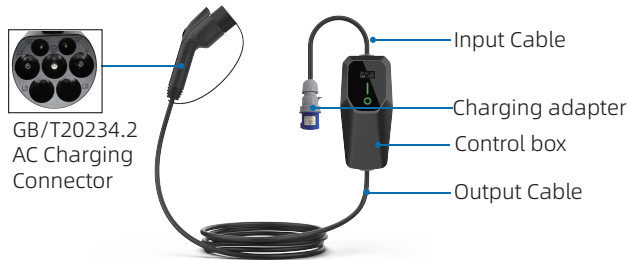


▶ B

▶ A. EV Charger

▶ B. User manual

BASIC INTERFACE



CHARGING YOUR VEHICLE

STEP1

Insert the plug into the wall outlet, and set the appropriate charging current and delay charging time (see page 8 and 9 for details).



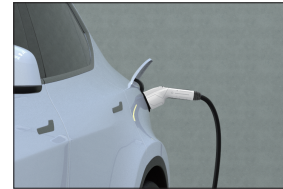
STEP 2

Insert ev connector into the vehicle.



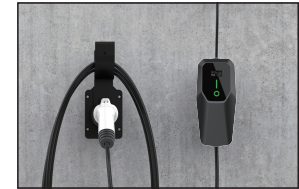
STEP 3

Start charging process.



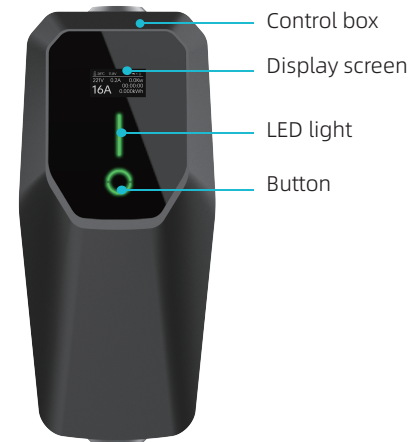
STEP 4

When vehicle is finished charging, unplug and put the charging connector into the wall-mounted holster.



OPERATION OF CONTROL PANEL

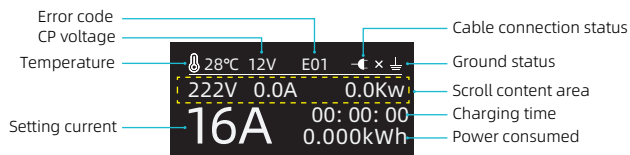
1. Control panel



LED light status description

Device status	Light status
Waiting for charging indicator	The green light is on
Connection indicator	Green light flashing
Charging indicator	Blue light flashing
Fault notification	Red light flashing

2.1 LCD display instruction

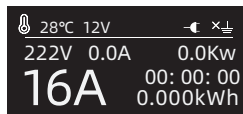


Description of cable connection status icons

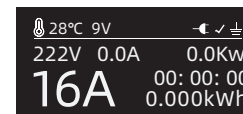
- ✘ Not connected
- ✔ Connection succeeded

2.2 Standby interface

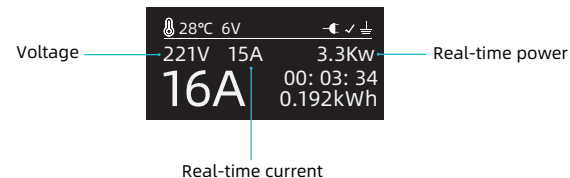
Once the EV Charger is powered on, the LCD displays "Standby Interface".



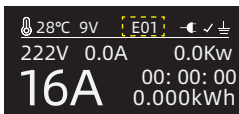
2.3 Connection state



2.4.1 Charging (1 Phase)



2.5 Abnormal warning



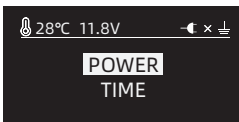
3. Charging current setting

a. Long press the function button for 2 seconds in standby state.

The menu page is displayed.

b. Short press the function key to switch to TIMEPOWER option.

Long press the function button to enter the current modification interface.



c. Press the function button to switch the current cycle.

d. Long press the function button to save and exit.

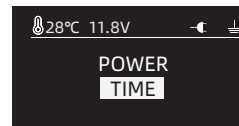
e. Exit without saving after 10 seconds on the switch interface.

4. Charging delay setting

a. Long press the function button for 2 seconds in standby state.

The menu page is displayed.

b. Short press the function button to switch to the TIME option, long press the function button to enter the time reservation interface.



c. Press the function button to switch the reservation time, each press adds 30 minutes. The maximum reservation time is 5 hours.

d. Long press the function button to save and exit. Enter the countdown reservation. After inserting the charging handle, the countdown ends and the charge begins.

e. Exit directly without operation in 10 seconds on the reservation interface.

f. Long press the function button on the reservation countdown interface to cancel the reservation.

Note: For your safety, the three-phase product must be grounded, and the product is not exempt from the grounding function.

FAULT DESCRIPTION

Fault name	Fault code	Red light state
Communication Error	E01	Flash for 1
Under-voltage Protection	E02	Flash for 2
Over-voltage Protection	E03	Flash for 3
Ground Fault	E04	Flash for 4
Over-current Protection	E05	Flash for 5
Leakage Protection	E06	Flash for 6
Over-temperature Protection	E07	Flash for 7

TROUBLESHOOTING

Display status	Action
Starting	No action required.
Standby	No action required.
Select Current	No action required.
Delay Setting	No action required.
Charging	No action required.
Charging Over	Safely remove the ev connector from the vehicle.
CP Signal Error	Unplug from the outlet, and then plug it back in. If the problem persists, please contact Customer Support.
Undervoltage	Unplug from the outlet, and then plug it back in. If the problem persists, please contact Customer Support.
Over voltage	Unplug from the outlet, and then plug it back in. If the problem persists, please contact Customer Support.
Over current	Unplug from the outlet, and then plug it back in. If the problem persists, please contact Customer Support.
Power Leakage	Unplug from the outlet, and then plug it back in. If the problem persists, please contact Customer Support.

ENVIRONMENTAL PERFORMANCE

Article	Specification
Working temperature	-25°C~55°C
Storage temperature	-30°C~85°C
Working humidity	5~95%, No condensation
IP level	Control box IP65
	Plug on car(Unconnected)IP67
	Plug on car(connected)IP55
Altitude	≤2000m
Salt spray test	MEET GB/T 18487
Atmospheric pressure	80kPa ~101kPa
Temperature and humidity cycle	MEET GB/T 18487
Note: Avoided being used in the environment of corrosive liquids, flammable dust strong corrosive environment.	

ELECTRICAL PROPERTIES

Article	Specification	
Rated voltage	240V AC/250V AC/480V AC	
Operating Voltage	240V/250V/480V	
Rated frequency	50-60HZ	
Rated current	8A/10A/13A/16A/20A/24A/32A	
Control Pilot	GB/T 18487	
	Duty Ratio	26.67%/53.3%
	Frequency	1000Hz
Leakage Protection	AC leakage	20/30mA
Insulation Resistance	> 10MΩ	

MECHANICAL PROPERTIES

Article	Specification	
Life of plug-in and plug-out	Pwer Plug	10000 times
	AC charging piug	10000 times
Flammability	Control box	Meet:UL94-V0
	EV Charging Plug	Meet:UL94-HB
	EV Charging Cable	Meet:UL1581 LV:VW-1
EV rolling test	Meet:GB/T 18487	
Cable Deflection	Meet:GB/T 18487	
Drop	Meet:GB/T 18487	
Note:Plug-in and plug-out test is under no-load condition		

PRODUCT FUNCTION

Article	Specification
Output current	16A IP:8/10/13/16A 32A IP:8/10/13/16/20/24/32A
Leakage Protection(AC 20/30mA or 30mA +DC 6mA)	Support
Under voltage protection	Support
Over voltage protection	Support
Over temperature protection	Support
Over current protection	Support
Short circuit protection	Support
Screen display	Support
Schedule charging	Support
Surge protection	Support