

**7KW750V AC-DC Movable EV charger**

**Product Specification**

**Product model: MC07750E(CCS2) MC07750A(CCS1) MC07750J(CHAdeMO)**

**Version: V1.1**

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# Catalogue

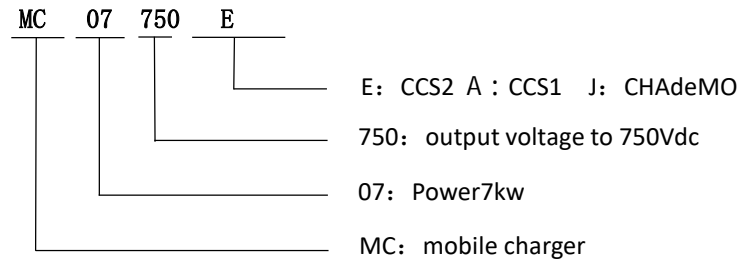
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## 1.Overview

### 1.1 Introduction

Dear customer, thank you for using the DC charger produced by our company . We sincerely hope that this product can meet your requirements, and look forward to your more valuable comments on the performance and function of the product. We will continue to improve and improve the quality of the product.

### 1.2 Product model explanation:



## 2.Safety instructions

- Charging operation shall follow the operation instructions provided by the company;
- Non-professionals are strictly prohibited to open the charging machine cabinet at will; Do not disassemble or assemble without permission;
- When stopping midway, manually click the button to stop and then pull out the charging interface;
- It is strictly forbidden to insert and remove the charging interface head directly in the charging process, otherwise it will burn out the charging interface head and charger;
- Any operation unrelated to charging is prohibited in the charging process, and other operations can be carried out only when the charging interface head is disconnected from the car and the charger button is clicked to stop.
- Avoid fireworks (open fire) near the charger and pay attention to ventilation;
- The fuse must be replaced with the same type of product, not with copper, iron wire replacement;
- There is high voltage in the charger, and any fault should be repaired by professional personnel to avoid danger;
- The superior circuit breaker and distribution device of the charger shall be selected, installed and operated by professional electrical personnel;
- In severe weather such as thunderstorms, you are advised to disconnect the power supply. If water accumulates in the charger, contact the personnel of the manufacturer to handle the water before continuing to use the charger.
- The unit weight of the charging interface cable is large, and the long cable is easy to drag force in the actual charging process, which is not conducive to releasing the twisting force, increasing the

risk of cable distortion and bulge, and affecting the service life of the product. Therefore, do not pull or twist the charging cable. The cable of the charging interface must be smoothed and not twisted to force the charging interface holder during use.

-Do not shake the charging interface from side to side when inserting or removing the charging interface. Insert and remove the charging interface vertically.

-If any of the following conditions occur, please turn off the power in time and notify professional personnel for repair:

- Abnormal sound appears inside the charger;
- Odor or smoke from inside the charger;
- No display or response on the charger screen;
- The charger has an unrecoverable fault alarm;



Note: Before powering on and running, ensure that the equipment shell is effectively connected to the earth, otherwise there may be electric shock risk!

### 3. Appearance and Composition



The color and shape of the charging interface and cable will differ according to different batches and manufacturers, so it is not specified.



#### 4.Detailed technical parameters

Item		MC07750EAJ
Input	Voltage range	90Vac--265Vac; 220Vac(rated)
	Working frequency	45-65HZ
	The power factor	≥0.99
	Input current	0-32A
	Input cable length	5m
Output	Power	7KW
	Auxiliary power supply	12V
	Voltage range	200-750Vdc
	Maximum current	0-20A
	Charging interface cable	3m
The work environment	Temperature range	-20~50℃; 25℃ (type)
	Humidity range	5~90RH%; (non-condensation)
	The altitude	2000M
Dimensions and protection	Machine size(mm)	490*386*158mm (Excluding head, handle and casters)
	Packing size(mm)	Carton:730*370*420mm Wooden box:760*430*580mm
	Packing/weight	N.W: 27KG Carton G.W: 29KG Wooden box G.W: 36KG The above weight is only a reference weight for standard configurations. If the weight is increased due to accessories, the actual weight will prevail
	IP	IP44
The human-computer interaction		4.3 "color touch screen
Charging mode		Plug and play
Charging standard		CCS: EN61851、EN62196、ISO15118、DIN70121
		CHAdEMO: CHAdEMO

#### 5.Package diagram



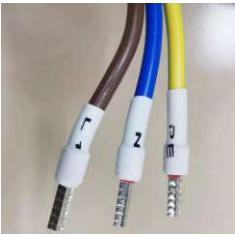
Carton



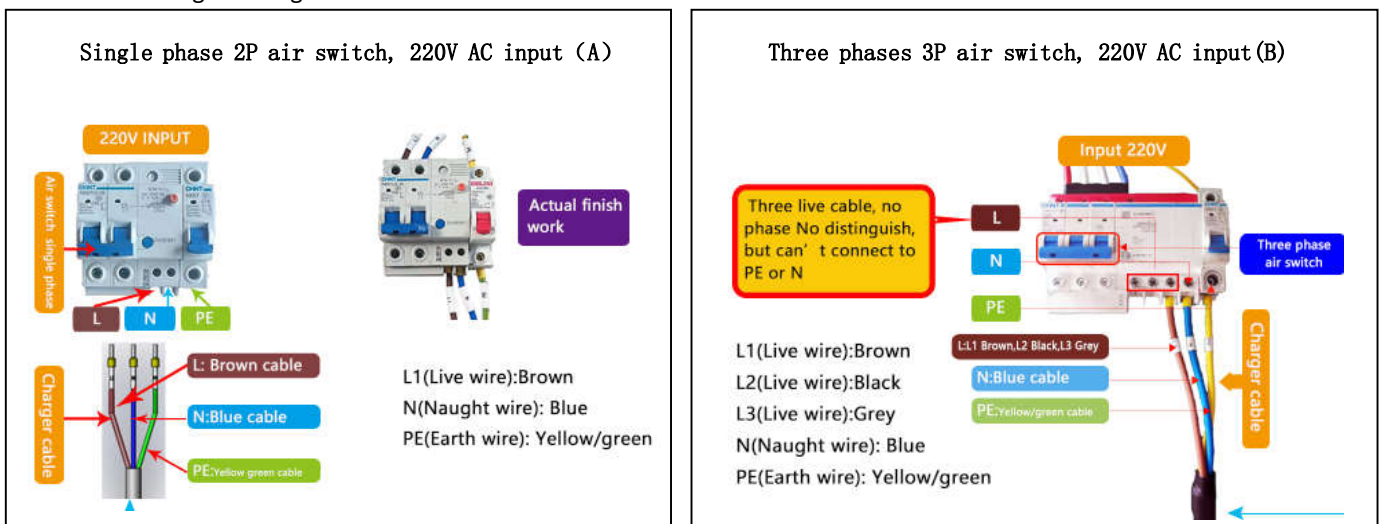
Wooden box

## 6. Instructions for

### 6.1 Connect cables before power-on

Content	Specification	Reference picture
L1(Live wire1)	3*6mm <sup>2</sup>	
PE(Earth wire)		
N(Naught wire)		

- The input cable can adopt neutral wire and ground wire, which is one size less than live wire.
- When connecting cables, strictly follow the label above to connect the corresponding circuit breaker position. Do not connect wrong cables;
- When the AC input line of the charger is connected to the circuit breaker, the user circuit breaker and the charger circuit breaker must be in the off state, and then open successively after confirming the connection;
- The user must open the load locking screw to ensure that it is locked and not loose;
- If you encounter the phenomenon of open tripping, do not force the brake to be pushed again. It is necessary to find out the cause before pushing the brake again;
- The grounding cable must be connected to prevent electric shock and safety of human body under the condition of grounding.



Wiring diagram, live wire does not distinguish phase sequence, Naught wire and earth wire must be connected

### 6.2 Charger



Step 1: Plug in the charging gun



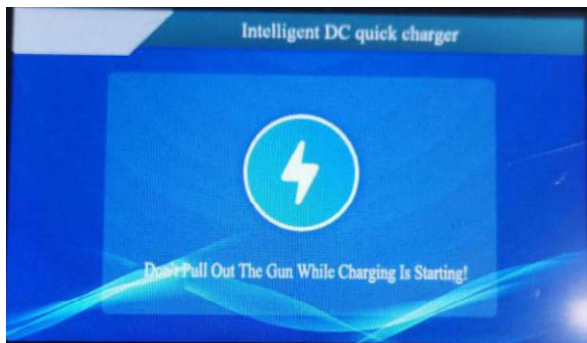
Step 2: Switch the input line to ON



Step 3: Turn ON the back of the charger to ON



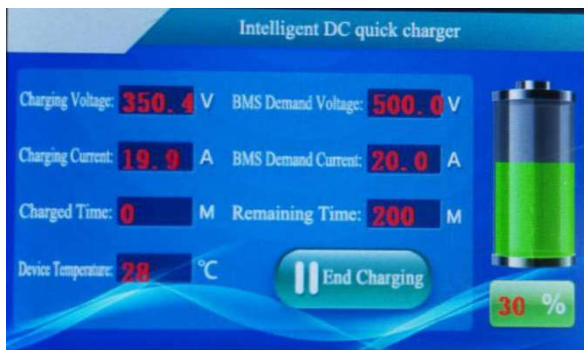
Step 4: Welcome charging interface



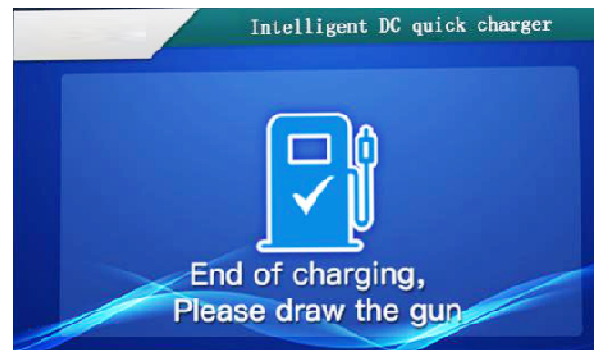
Step 5: connecting



Step 6: Enter the start up interface

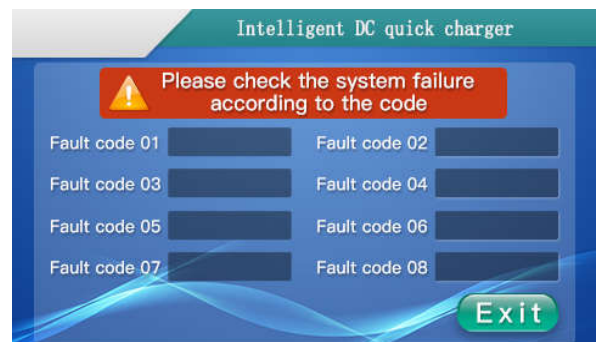
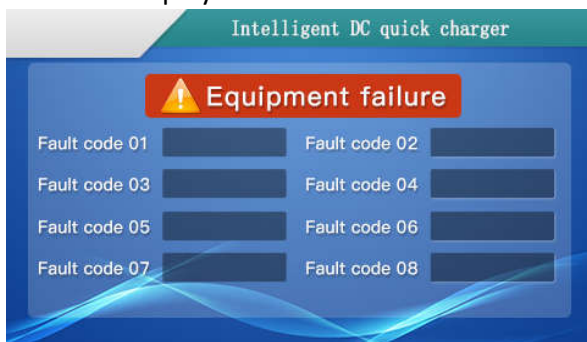


Step 7: Charging interface



Step 8: Charge finished, draw gun, charge completed

### 6.3 Fault display interface



## 6.4 Routine maintenance table

Check content	Check the method	Maintenance cycle
General operating status and environment of the system	<ol style="list-style-type: none"> <li>1. Observe whether the components, circuit and device structure of the charger are damaged or deformed;</li> <li>2. Listen to whether there is any abnormal sound when the charger is running;</li> <li>3. Check whether the data display on the touch screen is normal.</li> <li>4. Check whether the switch, contactor, circuit breaker, and fan are normal.</li> <li>5. Check whether the heat of the charger shell is normal;</li> <li>6. Observe whether the inlet and outlet air is normal;</li> <li>7. Check the humidity and dust around the charger.</li> </ol> <p>Attention! Intake ventilation must be checked. If the module is not cooled effectively, it will fail due to overheating.</p>	Once every six months
System clean	<ol style="list-style-type: none"> <li>1. Check the cleanliness of circuit boards and components;</li> <li>2. Check the temperature and dust of the internal charging module. Remove the module and clean it if necessary.</li> </ol>	Once every six months to once a year (depending on the dust content of the environment)
Power circuit connection	<ol style="list-style-type: none"> <li>1. Check whether the power cable and control cable are damaged, especially whether the skin in contact with the metal surface is cut;</li> <li>2. Check whether the insulation bandage of the power cable wiring terminal is off.</li> </ol>	Six months after the first commissioning, and then once every six months to a year
Cooling fan maintenance and replacement	<ol style="list-style-type: none"> <li>1. Check whether there are cracks in fan blades;</li> <li>2. Listen to whether there is abnormal vibration sound when the fan is running;</li> <li>3. Replace the fan in time if it is abnormal.</li> </ol>	Once a year
Circuit breaker maintenance	<ol style="list-style-type: none"> <li>1. Check the corrosion of all metal components regularly (every six months);</li> <li>2. Annual inspection of contactor to ensure good mechanical operation.</li> </ol>	Once every six months to a year
Safety features	<ol style="list-style-type: none"> <li>1. Check the function of emergency stop button and stop button;</li> <li>2. Simulated shutdown.</li> </ol>	Once every six months to a year

## 7. Precautions for Use

7.1 In the normal charging process, it is strictly forbidden to plug or remove the charging interface with electricity;

7.2 To end charging, you must first press the "Start/Stop" button, pull the interface, and then disconnect the charger to disconnect the mains;

7.3 Do not pull the locked interface out of the socket by brute force to avoid conductive materials such as metal foreign bodies entering the device.

7.4 Non-professionals do not open the charger shell to avoid damage to the charger;

7.5 Pay attention to the BMS power supply voltage of 12V or 24V, and select the corresponding charging model number.

7.6 The charger is equipped with a standard input cable. Users need to connect an external circuit breaker to ensure that the input PE cable is reliably grounded.

7.7 Only when the input power distribution capacity is not less than the rated power of the charger, can the charger be charged at full power.

7.8 Dc charging interface is standard, no need to install it separately;

7.9 Indoor drying is forbidden to be used in rainwater environment;

7.10 If there is a heat source near the charger, please move it as far as possible and take the surrounding space into full consideration to facilitate heat dissipation;

7.11 Avoid steam, dust and metal dust;

7.12 Keep away from flammable, explosive and corrosive gases and liquids;



7.13 Stay away from electromagnetic interference sources.

## 8.The appendix

### 8.1Quality assurance

During the warranty period, the company will repair or replace new products free of charge. During the warranty period, the company requires customers to show the invoice and date of purchase. At the same time, the trademark on the product should be clearly visible, otherwise the right not to give quality assurance. The unqualified products after replacement shall be handled by our company. Customer shall allow company reasonable time to repair faulty equipment.

The company reserves the right not to guarantee quality in the following cases:

- The whole machine and parts have exceeded the free warranty period
- Transportation damage
- Incorrect installation, modification, or use
- Outdoor charging in rainy days leads to water inflow damage of charging pile.
- Extremely harsh operating conditions beyond those specified in this manual
- Machine failure or damage not caused by installation, repair, alteration or disassembly by our service personnel
- Failure or damage of the machine caused by non-standard use or not confirmed by the company
- Any beyond the scope of use specified in the relevant national standards
- Damage caused by abnormal natural conditions



Non-company personnel are prohibited to open the charging equipment, such as personal accidents, property accidents, safety accidents caused by this has nothing to do with the company.

In case of product failure caused by the above situation, if the customer requires maintenance service, the company can provide paid maintenance service after the judgment of the service organization.

### 8.2 Precautions

The company does not assume any responsibility for the loss caused by the configuration software products provided with the products.

Any use of any or all of the data in the firmware or software developed by the company for commercial purposes is prohibited.

It is forbidden to decompile, decrypt or destroy the original program design of the software developed by the company.