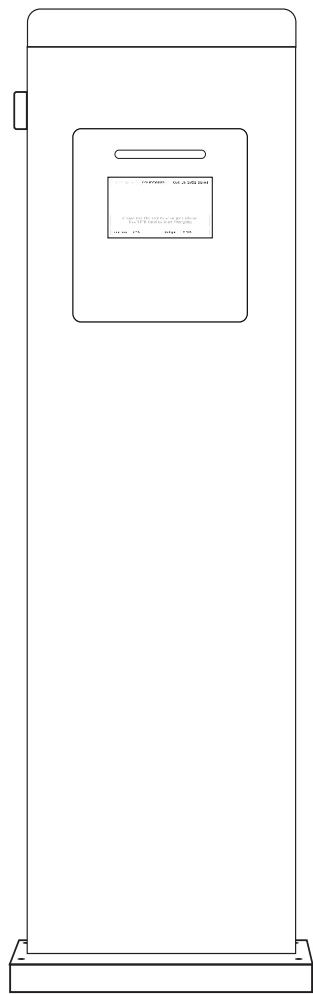


Electric Vehicle AC Charger Installation Manual



For model: LP-CP308D


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1. Safety Instructions

1.1. Warnings & Cautions

WARNING

 To avoid fire, injury or death, read and follow the instructions carefully during installation, operation and maintenance.


DO NOT put fingers into the electric vehicle connector.


DO NOT use this product if the power cord or EV cable is frayed, insulation-broken, or any other signs of damage.

DO NOT use this product if the enclosure or the EV connector is broken, cracked, open, or shows any other indication of damage.

DO NOT remove cover or attempt to open the enclosure because of risk of electric shock.




 This device should be supervised when used around children.

 This device must be grounded.





 To avoid the risk of fire or electric shock, do not use this device with an extension cord.

1.2. Installation Requirements

WARNING



-  Disconnect electrical power prior to installing the charging station.
-  Be sure to preview the user manual and ensure local building and electrical codes are reviewed before installing the AC charger.
-  The AC charger should be installed by a qualified technician according to the user manual and local safety regulations.

CAUTION

-  Use appropriate protection when connecting to the main power distribution cable.
-  Type A, B, C or D breaker with the rating current for table should be installed in the upstream AC distribution box.
-  The device shall be mounted at the height between 600 mm and 1200 mm from ground.
-  Please keep the charger in a clean area with low humidity. Not recommended to be installed in coastal environments with high humidity or thick dust.

1.3. Daily Maintenance

CAUTION

-  Avoid moisture or water in the charger. If there is water or moisture ingress in the charger, it is necessary to immediately power off to avoid immediate danger and notify the professionals to carry out maintenance before next use.
-  Please use the charger properly. Do not hit or press hard on the enclosure. If it is damaged, please contact a professional technician.

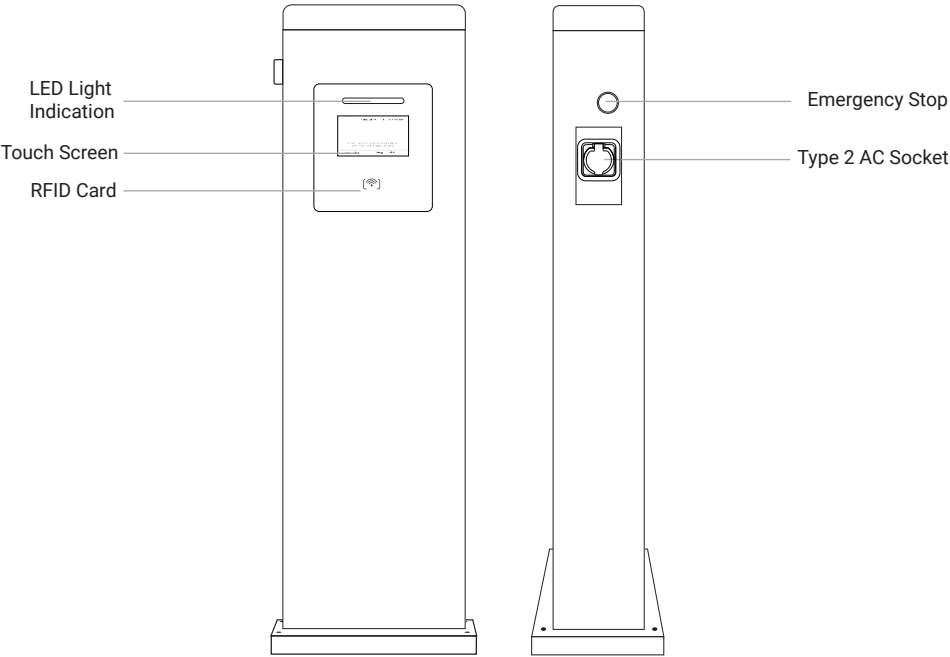
- ❗ Avoid placing the charger near hot objects and at high temperature locations and away from dangerous substances such as flammable gases and corrosive materials.
- ❗ To avoid any danger, please do not put any heavy objects on the charger.

2. Product Introduction



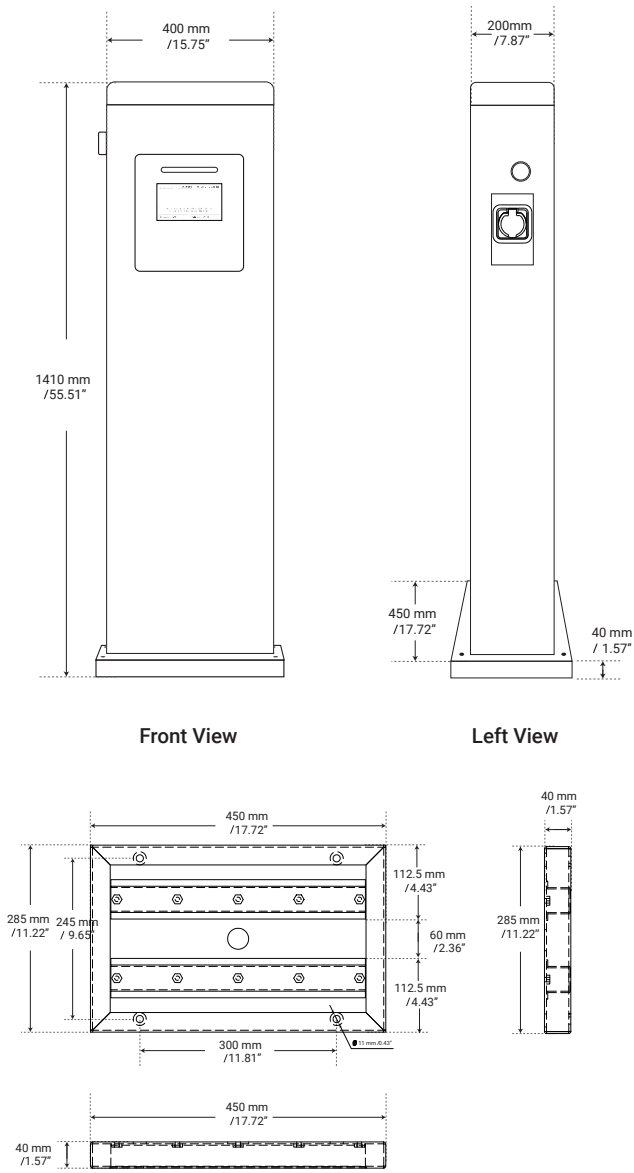
CAUTION: Avoid placing the charger near hot objects or high temperature locations and away from dangerous substances such as flammable gases and corrosive materials.

2.1. Basic Interface



2.2. Basic Dimension

ENCLOSURE

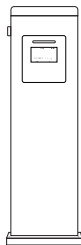


2.3. Specifications

Model Name		LP-CP308D
Power Specification	Input AC Rating	230Vac±10%
	Max. AC Current	32A*2
	Frequency	50/60Hz
	Max. Output Power	22kW*2
User Interface & Control	Display	7" Touch Screen
	LED Indicator	Yes
	User Authentication	RFID(ISO/IEC 14443 A/B), APP
Communication	Network Interface	LAN(Standard), Wi-Fi/Bluetooth/3G/4G Optional
	Communication Protocol	OCPP1.6 J/OCPP2.0.1 Upgradeable
Environment	Operating Temperature	-30°C to 50°C
	Humidity	5%~95% RH, Non-condensing
	Altitude	≤ 2000m, No Derating
	IP/IK Level	IP55/IK10
Mechanical	Charging Pile Dimensions(W×D×H)	400mm×200mm×1370mm
	Base Dimensions(W×D×H)	450mmx290mmx40mm
	Weight	40kgs
Protection	Multiple Protection	OVP(Over Voltage Protection), OCP(Over Current Protection), OTP(Over Temperature Protection), UVP(Under Voltage Protection), SPD(Surge Protection Detection), Grounding Protection, SCP(Short Circuit Protection), Control Pilot Fault, Relay Welding Detection, RCID(DC 6mA)
Regulation	Safety	IEC 61851-1, IEC 61851-1-21-2
	Certificate	CE, CB, UKCA
	Charging Interface	IEC 62196-2 Complaint, Type 2 Socket

3. Accessories

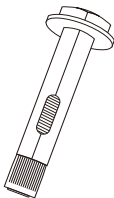
Check the box to ensure you have this installation guide and these parts:



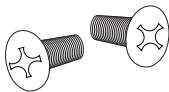
1 AC Charger



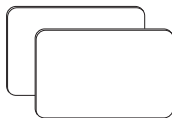
2 User Manual



3 Expansion screw*4



4 M8*12 Phillips screw



5 Standard RFID Cards*2



6 Key*2

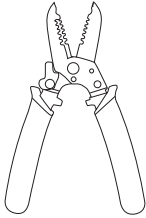


7 Base Plastic Plug*4

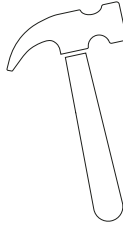
No.	Product Name	Quantity	Description
1	AC Charger	1	With attached type2 socket
2	User Manual	1	PDF version available online.
3	Expansion screw	4	Mounting fixed base
4	M8*12 Phillips screw	10	Fixed charging pile and base
5	Standard RFID Cards	2	To start/stop charger for the unit with RFID reader.
6	Key	2	Open the charging pile
7	Base Plastic Plug	4	Fill the holes of the base decorative role

4. Tools for Mounting

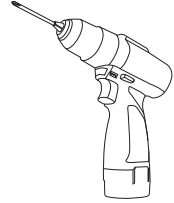
Tools required before installing the Wall-mounted charger, gather the following tools:



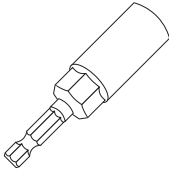
1 Wire stripper



2 hammer



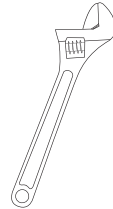
3 Electric drill



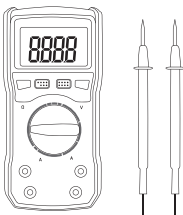
4 sleeve



5 Pencil or marker



6 Adjustable wrench



7 Voltmeter or digital multi-meter (for measuring AC voltage at the installation site)

NOTE: The above tools are very important, get them ready prior to installation.

5. Plan for Mounting



WARNING: In areas with frequent thunderstorms, add surge protection at the service panel for all circuits. Ensure all power and ground connections, especially those at the breaker and bus bar, are clean and tight.

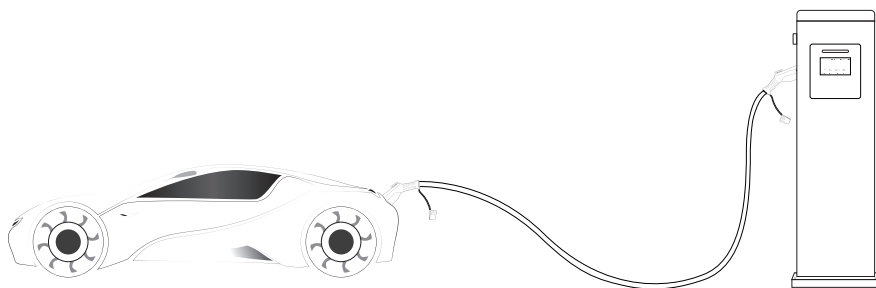


CAUTION: Not recommended to be installed in coastal environments with high humidity or thick dust.

STEP 1

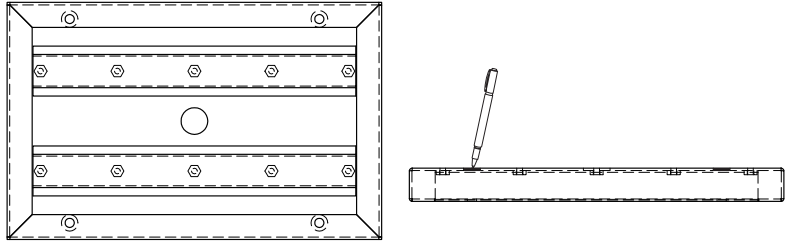
Select the appropriate mounting location with electrical capacity.

- I. Ensure the owner has chosen a mounting location that allows the charging cable to reach the car's charging port while still providing slack.
- II. Pre-bury the charging pile cable and leave an input line, with a length of more than 280mm.



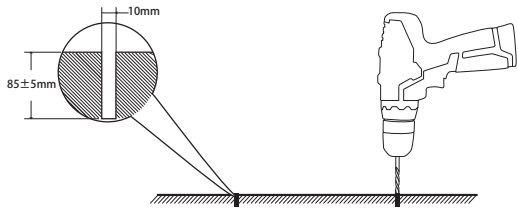
STEP 2

Locate the installation position according to the four holes in the base and mark them with a pencil.



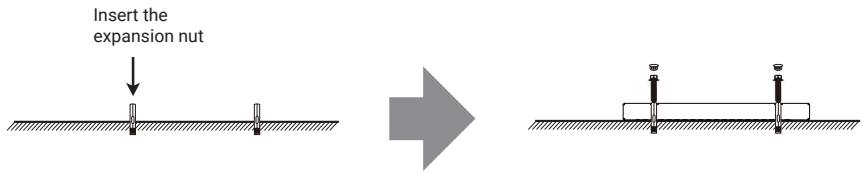
STEP 3

Use an electric drill to drill holes in four positions, requiring a width of 10mm and a depth of $85\pm5\text{mm}$.



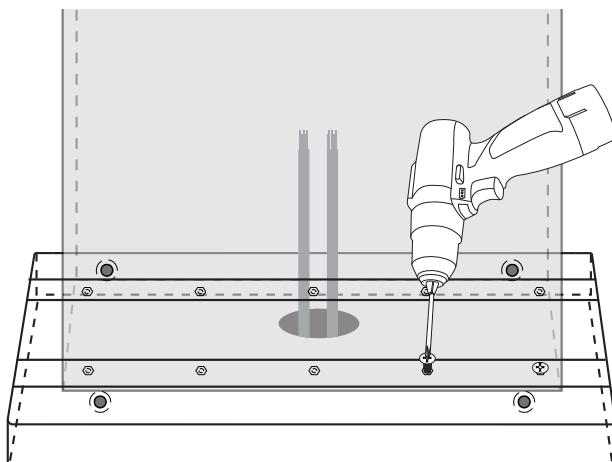
STEP 4

Hammer down the 4 pcs expansion screws to the hole.



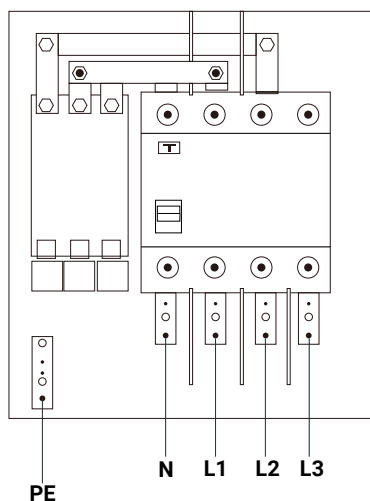
STEP 5

- I. Place the charging pile on the base and align the 10 holes.
- II. Use an electric drill or Phillips screwdriver to lock the screws of 10 M8*12 Phillips screws.

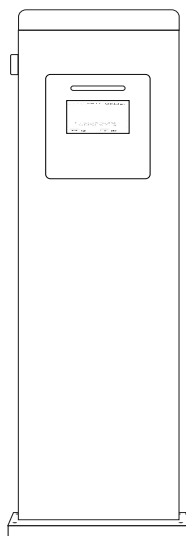


STEP 6

Please loosen the screws on the input end of the circuit breaker using an electric drill, and then connect L1, L2, L3, N, and PE in sequence.

**STEP 7**

Overall outlook after installation





6. Operate Your Device

WARNING

 This device should be supervised when used around children.

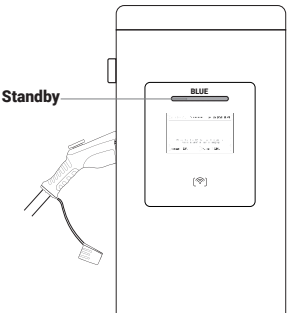
CAUTION

-  Please use the charger properly. Do not hit or press hard on the enclosure. If the case is damaged, please contact a professional technician.
-  To avoid any danger, please do not put any heavy objects on the charger.

6.1. Operating Steps with Plug and Charge

STEP 1

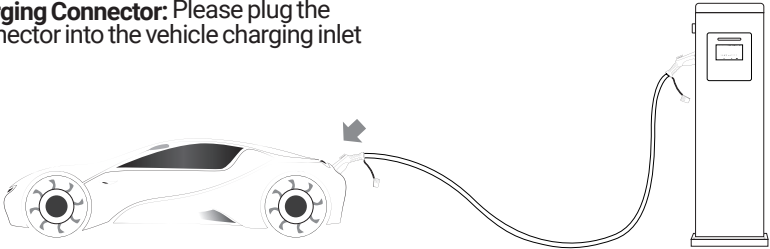
Standby Mode: After being powered on, the lights will be all on, **yellow light (STANDBY)**, **green light (CHARGING)** and **red light (FAULT)**.



*Figures are for reference only

STEP 2

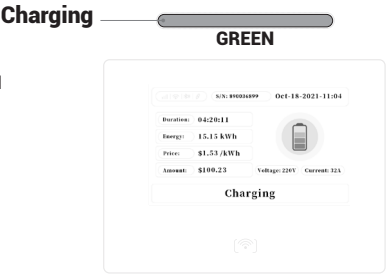
Plug the Charging Connector: Please plug the charging connector into the vehicle charging inlet



*Figures are for reference only

STEP 3

CHARGING: The green light (**CHARGING**) turns, to flash automatically, charging is in process. You can see "**Duration, Energy, Price, Amount, SN**" in the LCD Screen.



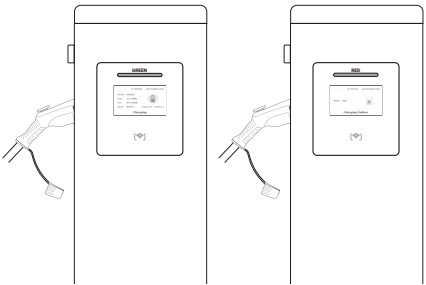
*Figures are for reference only

STEP 4

The green light (**CHARGE**) turns to flash automatically, charging is in process.

If the red light (**FAULT**) is on, plug the vehicle connector again.

If red light is still on, please refer to "7.2. Error and Warning Messages".



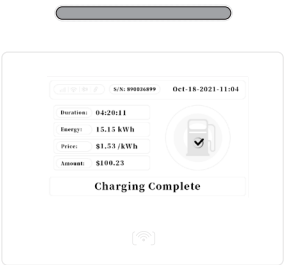
Charging

Fault

*Figures are for reference only

STEP 5

Charging finished: The charging process will be stopped once swipe RFID, the number of total kWh will be shown, this indicates the total kWh your car has received. Then please pull out the charging connector to stop the charging process.

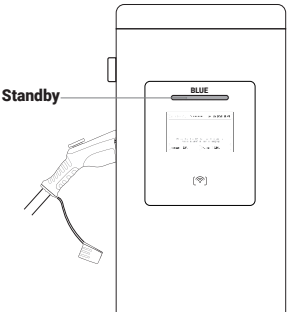


*Figures are for reference only

6.2. Operating Steps with RFID Card

STEP 1

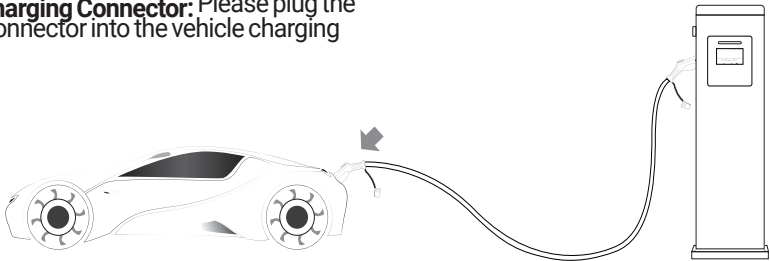
Standby Mode: After being powered on, the lights will be all on, **yellow light (STANDBY)**, **green light (CHARGING)** and **red light (FAULT)**.



*Figures are for reference only

STEP 2

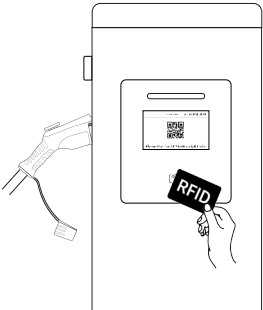
Plug the Charging Connector: Please plug the charging connector into the vehicle charging inlet.



*Figures are for reference only

STEP 3

Tap the standard RFID to start/stop charging.



*Figures are for reference only

STEP 4

Charging: When the charging is going on, you will see the following information on the LCD screen **"Duration, Energy, Price, Amount, SN"**.

Charging — **GREEN**



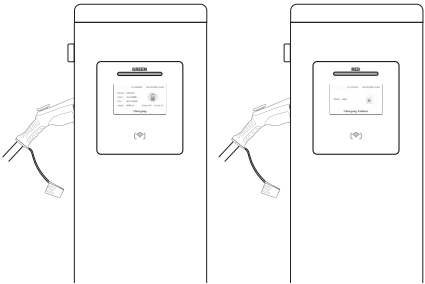
*Figures are for reference only

STEP 5

The green light (CHARGE) turns to flash automatically, charging is in process.

If **the red light (FAULT)** is on, plug the vehicle connector again.

If red light is still on, please refer to **"7.2. Error and Warning Messages"**.



Charging

Fault

*Figures are for reference only

STEP 6

Charging finished: The charging process will be stopped once swipe RFID, the number of total kWh will be shown, this indicates the total kWh your car has received. Then please pull out the charging connector to stop the charging process.



*Figures are for reference only

7. Light Codes

7.1. After Start UP

Standby Waiting to plug in	Waiting to Charge, Communicating with Vehicle	Charging in Progress	Finished Charging	Fault
Solid Yellow	Green Blinking	Slow Green Blinking	Green Blinking	Solid Red

7.2. Error and Warning Message

NO.	error code	Number of red light flashes	Detailed fault information
1	1000	3	Emergency stop press,or emergency stop is broken
2	1001	1	Phase L3 Overvoltage
3	1002	2	Phase L3 Undervoltage
4	1003	1	Phase L2 Overvoltage
5	1004	2	Phase L2 Undervoltage
6	1005	1	Phase L1 Overvoltage
7	1006	2	Phase L1 Undervoltage
8	1007	2	Three phases are undervoltage
9	1008	4	Overcurrent Fault
10	1009	5	Over temperature
11	1010	6	RCD leakage protection
12	1011	7	485 Fault
13	1012	8	Lightning Protection Fault
14	1013	9	Type A Switch Fault
15	1014	10	Relay Fault
16	1015	11	PE Fault
17	1016	12	PEN Fault
18	1017	13	Out of service
19	1018	14	Door opened
20	10000	常亮	Unknow Fault

8. Warranty and Maintenance

The warranty period for this charger is three years.

During the warranty period for any malfunction under normal use according to the User Manual and Service Instructions (to be determined by certified maintenance technicians of sellers), the product shall be repaired free of charge. Except for the following situations, the charger shall be subject to the above warranty terms:

1. The warranty certificate cannot be provided or the contents of the warranty certificate are modified or inconsistent with the label indication of the repaired product.
2. Those who are unable to provide valid proof of purchase.
3. Those who exceed the manufacturer's specified warranty period.
4. Those who damage the product due to not following the product service instruction for use, maintenance and storage.
5. Damage or malfunction caused by external object entering.
6. Unauthorized repair, disassembly or modification.
7. Damage caused by force majeure (such as lightning, excessive voltage, earthquake, fire, flood, etc.).
8. Malfunction and damage caused by other unavoidable external factors. Malfunction and damage caused by improper use of equipment, such as water or other solutions entering into the equipment.
9. Malfunction and damage caused by the grid power supply and voltage which is not specified for use with the charger equipment.

The above guarantees shall be made solely, and no other express or implied warranties shall be made (including the implied warranties of merchant ability, particular and applicable reason-ableness and adaptability, etc.) whether in the contract, civil negligence, or other aspects, the Company shall not be responsible for any special, incidental or consequential damages.

