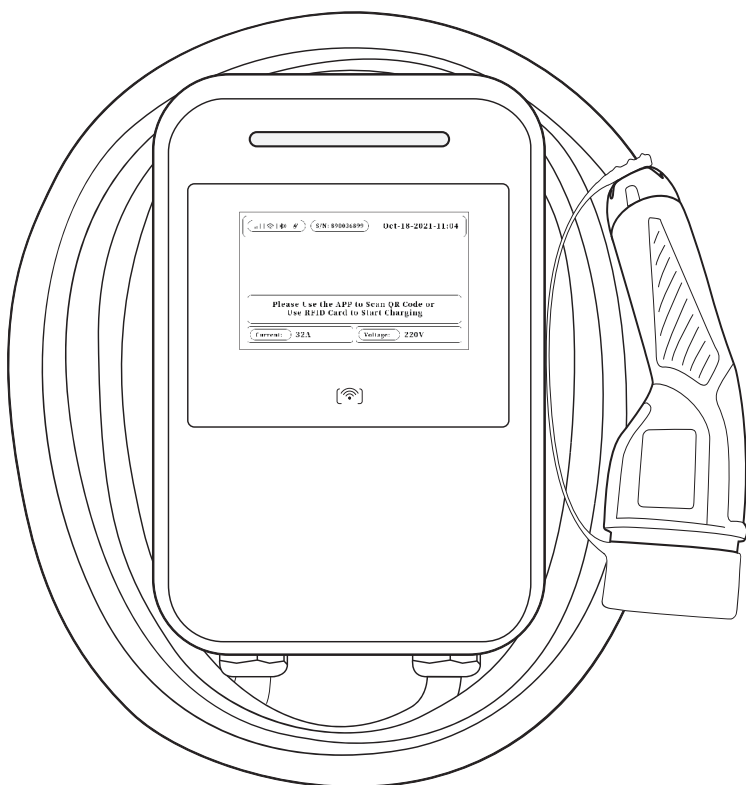


Electric Vehicle AC Charger Installation Manual



For model: CP300







CONTENTS

1. Safety Instructions	1
1.1. Warnings & Cautions	1
1.2. Installation Requirements	2
1.3. Daily Maintenance	2
1. Consignes De Sécurité Importantes	4
1.1. Avertissement & Mise En Garde Généraux	4
1.2. Exigence Avant L'installation	5
1.3. Daily Maintenance	5
2. Product Introduction	7
2.1. Basic Interface	7
2.2. Basic Dimension	8
2.3. Specifications	9
3. Accessories	10
4. Tools for Mounting	11
5. Plan for Mounting	12
6. Operate Your Device	16
6.1. Operating Steps with Plug and Charge	16
6.2. Operating Steps with RFID Card	18
7. Light Codes	20
7.1. After Start UP	20
7.2. Error and Warning Message	20
8. Warranty and Maintenance	21

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.
-  The suitability of the use of flexible cord in accordance with CE code, part I, rule 4-012, is to be determined by the local inspection authority.
-  To reduce the risk of fire, connect only to a circuit provided branch circuit over-current protection in accordance with the CSA C22. 1– 15 Canadian Electrical Code, Part 1 (Canada) or NOM-001-SEDE Electrical installations (utility) (Mexico) or ANSI / NFPA 70 National Electrical Code (USA).






Circuit Breaker Options		
Output Amperage (A)	16A	32A
Circuit Breaker Options (A)	20A	40A

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 B, C or D breaker with the rating current for table should be installed in the upstream AC distribution box.
-  Disconnect switch for each ungrounded conductor of AC input shall be provided by others in accordance with the National Electric Code, ANSI/NFPA70.
-  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.

1. Consignes De Sécurité Importantes

1.1. Avertissement & Mise En Garde Généraux

AVERTISSEMENT

 Pour éviter les risques d'incendie, de blessure ou de mort, il faut lire et suivre soigneusement les instructions pendant l'installation, l'utilisation et l'entretien.

Ne mettez pas les doigts dans le connecteur du véhicule électrique.


N'utilisez pas ce produit si le cordon d'alimentation flexible ou le câble EV est effiloché, isolé ou présentant tout autre signe de dommage.


N'utilisez pas ce produit si le boîtier ou le connecteur EV est cassé, fissuré, ouvert ou montre toute autre indication de dommage.

Ne retirez pas le couvercle et n'essayez pas d'ouvrir le boîtier en raison du risque de choc électrique.

 Cet appareil doit être surveillé lorsqu'il est utilisé à proximité d'enfants.

 Cet appareil doit être mis à la terre.

 Pour éviter tout risque d'incendie ou de choc électrique, n'utilisez pas cet appareil avec une rallonge électrique.

 L'adéquation de l'utilisation du cordon flexible conformément au code ce, partie i, règle 4-012, doit être déterminée par l'autorité d'inspection locale compétente.





 Pour réduire les risques d'incendie, ne connecter qu'à un circuit protection contre les surintensités des circuits de dérivation conformément à la norme canadienne CSA C22. 1-15 Code électrique, partie 1 (Canada) ou NOM-001-SEDE Installations électriques (Mexique) ou ANSI / NFPA 70 National Electrical Code (États-Unis).

Tableau Des Options Du Disjoncteur






Courant De Sortie (A)	16A	32A
Options De Disjoncteur (A)	20A	40A

1.2. Exigence Avant L'installation

AVERTISSEMENT


-  Assurez-vous de consulter le manuel d'utilisation et assurez-vous que les codes locaux du bâtiment et de l'électricité sont passés en revue avant d'installer le chargeur.
-  Débranchez l'alimentation électrique avant d'installer la station de charge.
-  Le chargeur CA doit être installé par un technicien qualifié conformément au manuel d'utilisation et aux réglementations de sécurité locales.

MISE EN GARDE

-  Utilisez une protection appropriée lors de la connexion au câble de distribution d'alimentation principal.
-  Un disjoncteur de B, C ou D avec le courant nominal indiqué dans le tableau doit être installé dans le boîtier de distribution CA en amont.
-  L'interrupteur de déconnexion pour chaque conducteur non mis à la terre de l'entrée CA doit être fourni par des tiers conformément au Code national de l'électricité, ANSI/NFPA70.
-  Cet appareil doit être monté à une hauteur entre 600 mm (2 pieds) et 1200 mm (4 pieds) du sol.
-  Veuillez conserver le chargeur dans un endroit propre et peu humide. Il n'est pas recommandé de l'installer dans des environnements côtiers à forte humidité ou à forte poussière.

1.3. Daily Maintenance

MISE EN GARDE

-  Évitez l'humidité ou l'eau dans le chargeur. En cas d'infiltration d'eau ou d'humidité dans le chargeur, il est nécessaire de l'éteindre immédiatement pour éviter tout

danger immédiat et d'avertir le personnel professionnel d'effectuer l'entretien avant la prochaine utilisation.

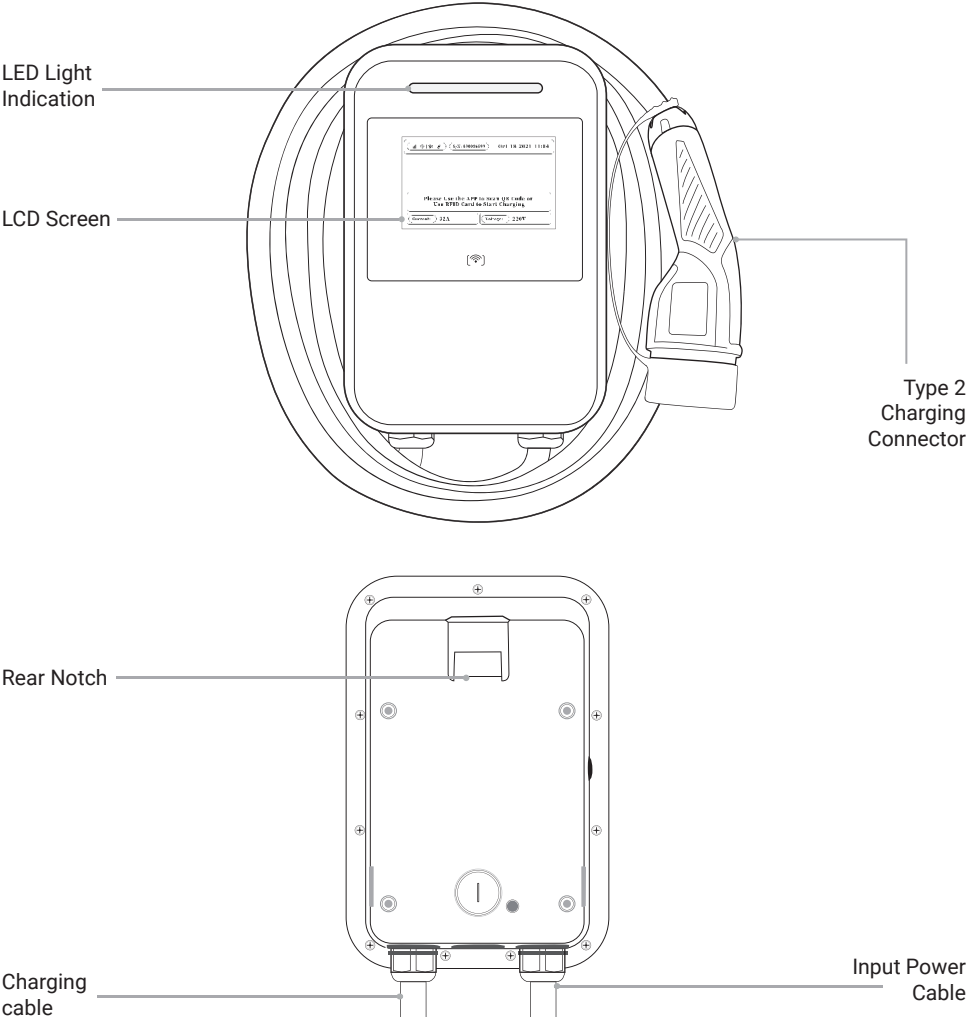
- ! Veuillez utiliser le chargeur correctement. Ne frappez pas ou n'appuyez pas trop fort sur le boîtier. Si le boîtier est endommagé, veuillez contacter un technicien professionnel.
- ! Évitez de placer le chargeur à proximité d'objets chauds et à des endroits à haute température et loin de substances dangereuses telles que des gaz inflammables et des matériaux corrosifs.
- ! Pour éviter tout danger, veuillez ne pas mettre d'objets lourds sur le chargeur.

2. Product Introduction



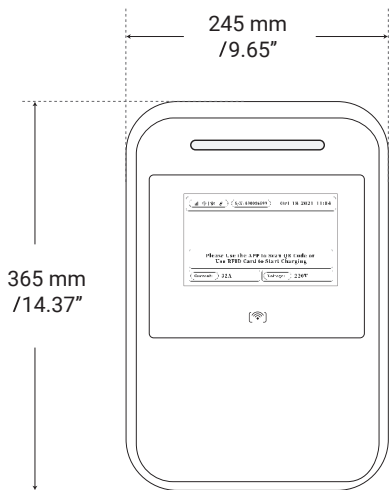
CAUTION: Avoid placing the charger near hot objects or high temperature locations and away from dangerous substances such as flammable gases and corrosive materials.

2.1. Basic Interface

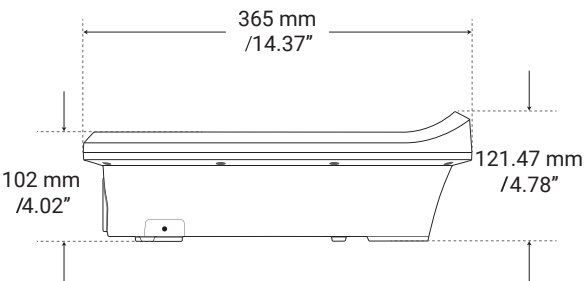


2.2. Basic Dimension

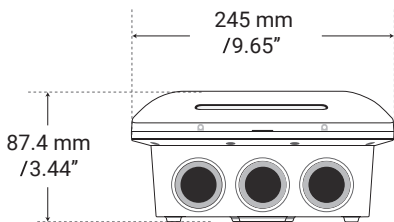
ENCLOSURE



Front View

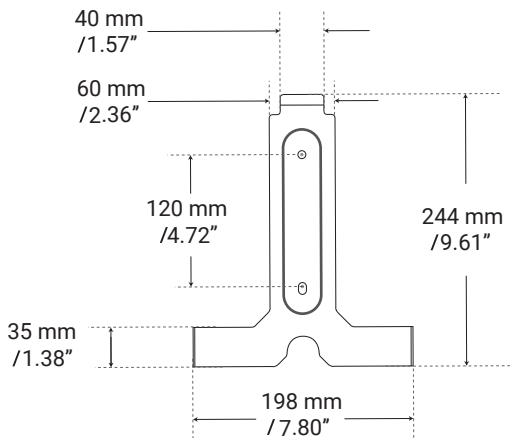


Left View



Bottom View

WALL-MOUNTED HOLES

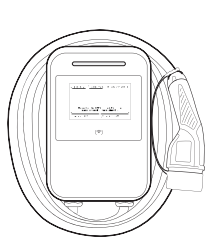


2.3. Specifications

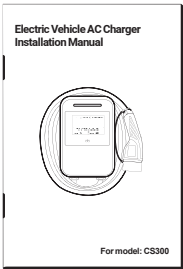
Model Name		CP300S	CP300E	CP300T
Power Specification	Input AC Rating	230Vac±10%	400Vac±10%	
	Max. AC Current	32A	16A	32A
	Frequency	50/60Hz		
	Max. Output Power	7kW	11kW	22kW
User Interface & Control	Display	5"(7" optional) LCD Screen		
	LED Indicator	Yes		
	User Authentication	RFID(ISO/IEC 14443 A/B), APP		
Communication	Network Interface	LAN(Standard), Wi-Fi/Bluetooth/3G/4G Optional		
	Communication Protocol	OCPP1.6 J		
	Communication Function	ISO/IEC 15118 Optional		
Environment	Operating Temperature	-30°C to 50°C		
	Humidity	5%~95% RH, Non-condensing		
	Altitude	≤ 2000m, No Derating		
	IP/IK Level	IP65/IK10		
Mechanical	Cabinet Dimension (W×D×H)	245mm×365mm×121.47mm		
	Weight	7.7kgs		
	Cable Length	18ft(5.5m)(Standard)/25ft(7.5m)(Optional)		
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, TR25 and RCM		
	Charging Interface	IEC 62196-2 Complaint, Type 2 Plug		

3. Accessories

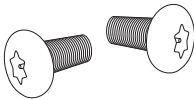
Check the box to ensure you have this installation guide and these parts:



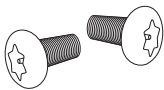
1 AC Charger



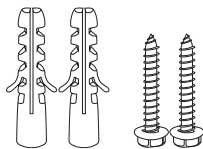
2 User Manual



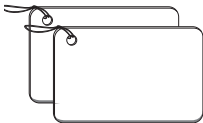
3 M4x8 Screws*2



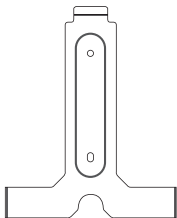
4 M3X8 Screws*2



5 M6 Hexagonal Expansion Screws*2



6 Standard RFID Cards*2

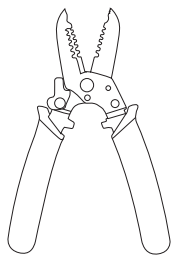


7 Mounting Bracket

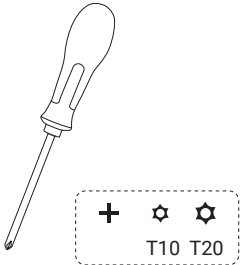
No.	Product Name	Quantity	Description
1	AC Charger	1	With attached input power cable and output charging cable.
2	User Manual	1	PDF version available online.
3	M4x8 Screws	2	For installing the AC Charger to the Bracket.
4	M3X8 Screws	2	For fastening front cover on AC Charger
5	M6 Hexagonal Expansion Screws	2	For installing the Mounting Bracket to the wall / structure.
6	Standard RFID Cards	2	To start/stop charger for the unit with RFID reader.
7	Mounting Bracket	1	For easy drilling of 2 screws holes for AC Charger.

4. Tools for Mounting

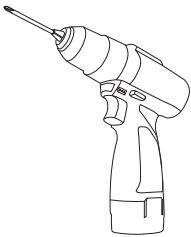
Tools required before installing the Wall-mounted charger, gather the following tools:



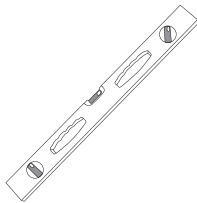
1 Wire stripper



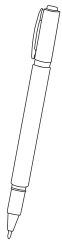
2 Phillips and T10, T20 screwdriver



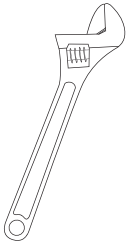
3 Drill



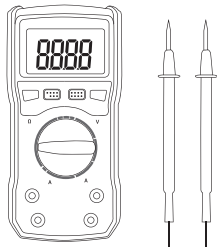
4 Level



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.

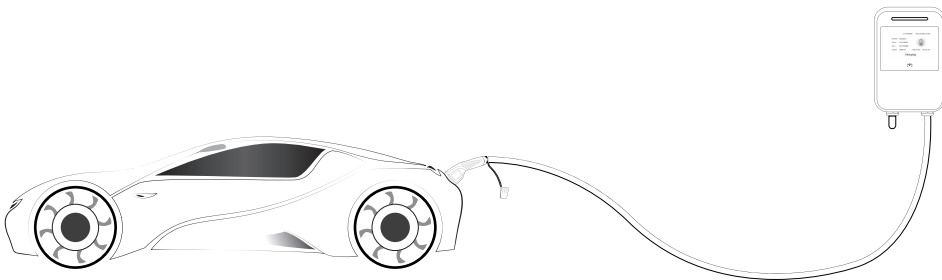


CAUTION: Not recommended to be installed in coastal environments with high humidity or thick dust.

STEP 1

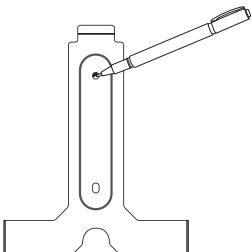
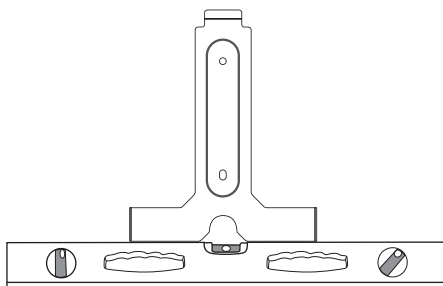
Select the appropriate mounting location with electrical capacity.

- 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. The device must be anchored on a solid wall or a stud with the dimensions: 2" x 4".
- III. The device shall be mounted at height between 600mm and 1200mm.



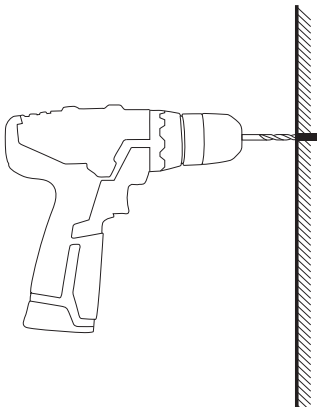
STEP 2

Use a level to verify if a bracket is horizontally aligned and mark the holes by one pencil.



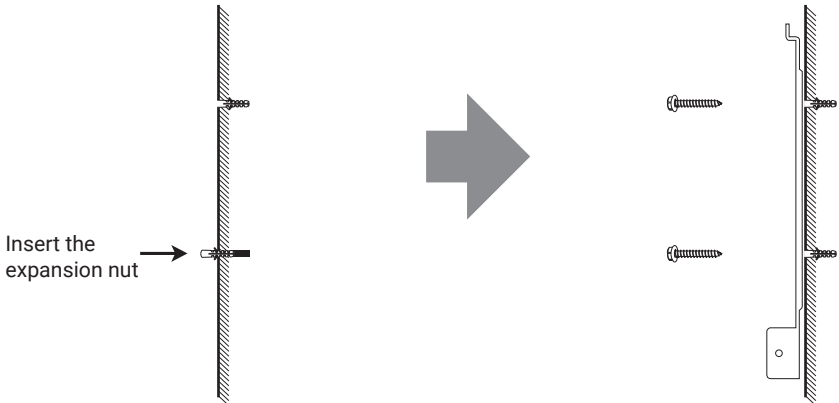
STEP 3

Drill 2 Screw Holes with a diameter of 0.33" and a depth of 2.05" by using #7 mounting bracket.



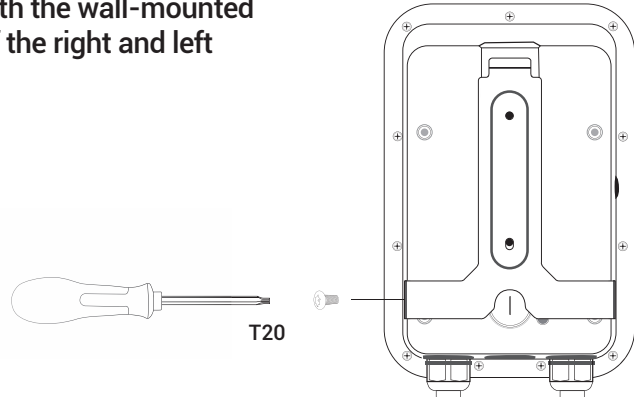
STEP 4

Nail #5 two expansion rubber sleeves into the holes and nail #5 two M6 hexagonal expansion screws to secure the wall-mounted bracket on the wall. Then level the brackets.



STEP 5

Align the rear notch of charger with the wall-mounted bracket and fit the screw holes of the right and left side with #3 M4×8 Screws.



STEP 6

Wire the Circuit

WARNING

- ⚠ This device must be grounded. Disconnect electrical power prior to installing the charging station.
- ⚠ Improper connection of the equipment-grounding conductor would result in a risk of electric shock. Check with a qualified electrician or service man if you are not sure whether the product is properly grounded. Do not modify the plug provided with the product – if it doesn't fit the outlet, have a proper outlet installed by a qualified electrician.

CAUTION

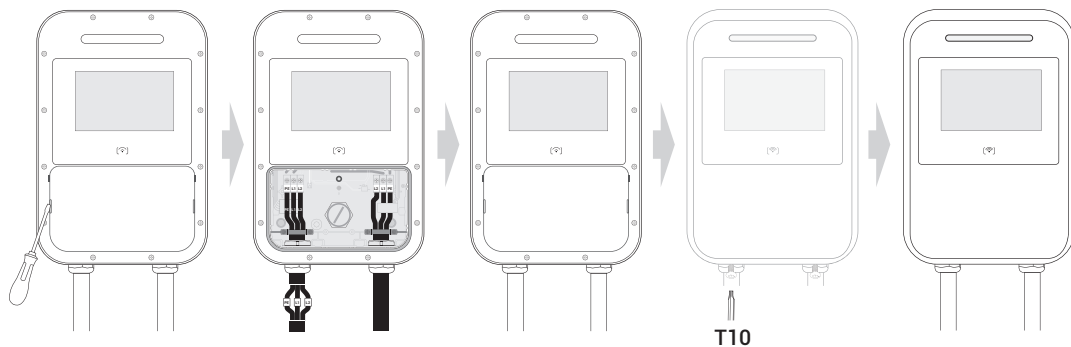
- ⚠ Use appropriate protection when connecting to the main power distribution cable.

For the safety purpose, please set circuit breaker protection in the input part of EV Charger. Please follow the instructions below:

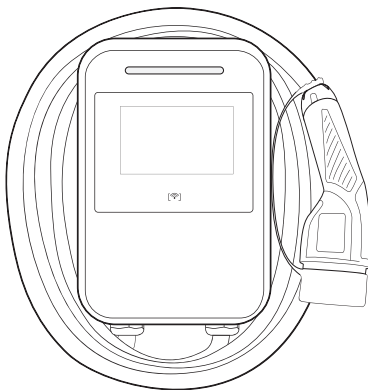
Circuit Breaker Options		
Output Amperage (A)	16A	32A
Circuit Breaker Options (A)	20A	40A

STEP 7

Please unclick the shelf with slotted screwdriver, connect L1 with grid L1, L2 with grid L2 and lead the PE to the grid PE (If 3 phase, connect additional L3 with grid L3). Click back the shelf, and fix the front cover back and tighten with #8 M3X8 Screws 2 screws at the bottom.

**STEP 8**

Overall outlook after installation





6. Operate Your Device

WARNING

 This device should be supervised when used around children.

CAUTION

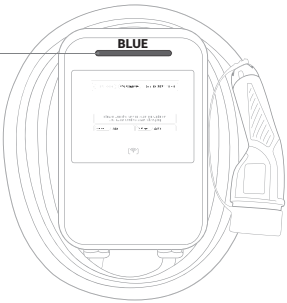
-  Please use the charger properly. Do not hit or press hard on the enclosure. If the case is damaged, please contact a professional technician.
-  To avoid any danger, please do not put any heavy objects on the charger.

6.1. Operating Steps with Plug and Charge

STEP 1

Standby Mode: After being powered on, the lights will be all on, **blue light (STANDBY)**, **green light (CHARGING)** and **red light (FAULT)**. Then **the blue light (STANDBY)** is constantly on in standby mode.

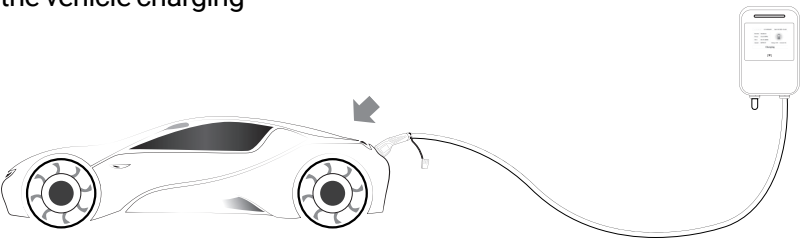
Standby



*Figures are for reference only

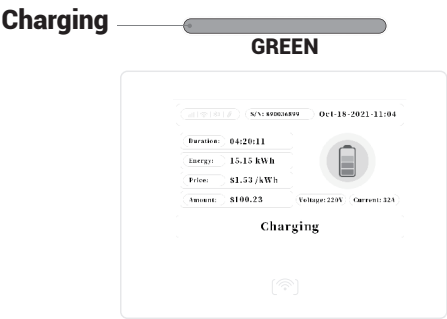
STEP 2

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



STEP 3

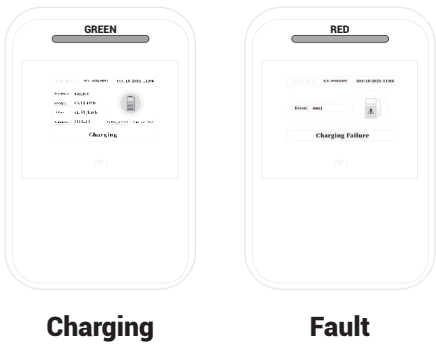
CHARGING: The green light(**CHARGING**) turns, to flash automatically, charging is in process. You can see "**Duration, Energy, Price, Amount, SN**" in the LCD Screen.



*Figures are for reference only

STEP 4

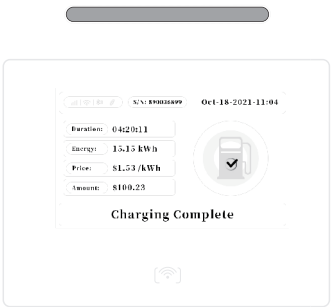
The green light (**CHARGE**) turns to flash automatically, charging is in process. If the red light (**FAULT**) is on, plug the vehicle connector again. If red light is still on, please refer to "7.2. Error and Warning Messages".



*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.

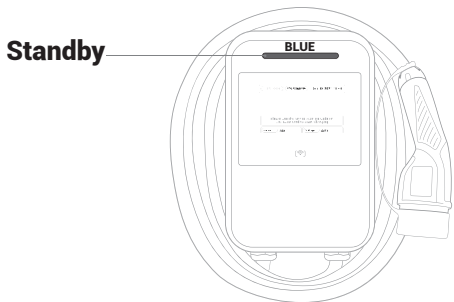


*Figures are for reference only

6.2. Operating Steps with RFID Card

STEP 1

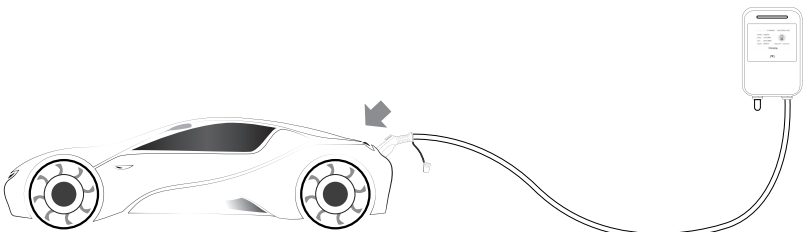
Standby Mode: After being powered on, the lights will be all on, **blue light (STANDBY)**, **green light (CHARGING)** and **red light (FAULT)**. Then **the blue light (STANDBY)** is constantly on in standby mode.



*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

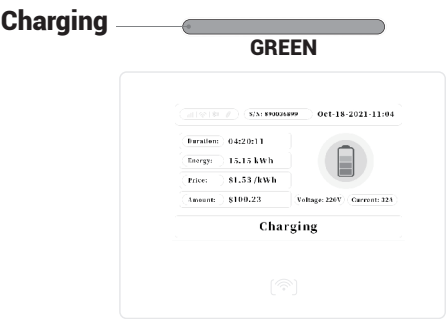
Tap the standard RFID to start/stop charging.



*Figures are for reference only

STEP 4

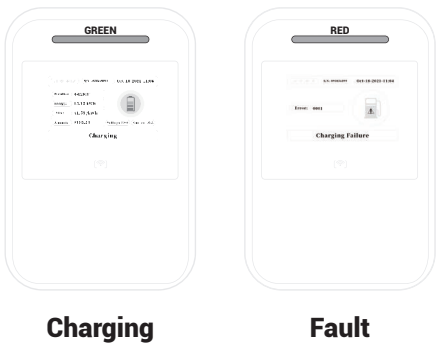
Charging: When the charging is going on, you will see the following information on the LCD screen "*Duration, Energy, Price, Amount, SN*".



*Figures are for reference only

STEP 5

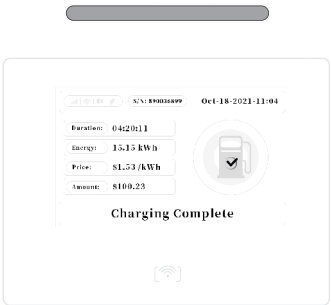
The green light (CHARGE) turns to flash automatically, charging is in process.
If **the red light (FAULT)** is on, plug the vehicle connector again.
If red light is still on, please refer to "**7.2. Error and Warning Messages**".



*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 Blue	Solid Green	Green Blinking	Solid Green	Solid Red

7.2. Error and Warning Message

Status	Screen Display	Remark
Off Ground	0001	Auto Recover
RCD Abnormal	0002	Auto Recover
Over Current Protection	0004	Auto Recover
Over Voltage Protection	0008	Auto Recover
Under Voltage Protection	0016	Auto Recover
Energy Meter Fault	0032	Contact Customer Service
Control Pilot Fault	0128	Auto Recover
Over Temperature Protection	0256	Auto Recover
Ground Fault	0512	Auto Recover
Ground Self-Test	1024	Auto Recover

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.

