



Guardian Charging Station EU Standard

User manual



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Safety precaution:

1. Please read the instruction manual carefully before use. Failure to observe the precautions can cause serious bodily harm and injury.
2. Please do not dismantle the product, incorrect assembly may cause product damage, leakage, and water seepage.
3. The installation and maintenance of the charger must be done by a competent electrician; Unqualified personnel should not attempt any of the operations above.
4. Any improper installation or repair work can pose a potential hazard and increase the likelihood of fire occurrence.
5. Please ensure that the power supply is disconnected and switched off before commencing any installation and maintenance work.
6. Do not use with any charging adapters or converter.
7. Proper installation with dedicated circuit breaker (MCB) and a residual current device (RCD) is mandatory.



Packing list :

Please check the content inside the box.



Composition of the Kit:

- User Manual * 1
- Sealing ring * 1
- Certificate of conformity * 1
- Connection box cover plate * 1
- M4 * 6, pan head screw * 2
- M4 * 12, sunk screw * 4

Product Features

Specifications		
Model	ZDA4-DC1-C12E/ ZDA4-DC1-C11E	ZDA4-CC1-C12E/ ZDA4-CC1-C11E
Rated Voltage (V)	230V	230V
Rated Current (A)	32A	16A
Maximum Output Power	7kW	3.5kW
Cable Width	3×6mm ²	3×2.5mm ²
Frequency (Hz)	50Hz/60Hz	
Working Altitude	≤3000m	
Charging Mode	Mode 3	
Dimension	310×210×90mm (without cable)	
Weight	3.5kg	
Operating Temperature	-40 °C to 55 °C	
Storage Temperature	-40 °C to 85 °C	
Certifications	IEC 61851-1, IEC 61851-22, IEC 62196-2	
Connector Type (IEC 62196-2)	Type 2	
Ingress Protection	IP55/IK10	
Residual Current(DC)	6mA	
Residual Current(AC)	30mA	

Installation Notes:

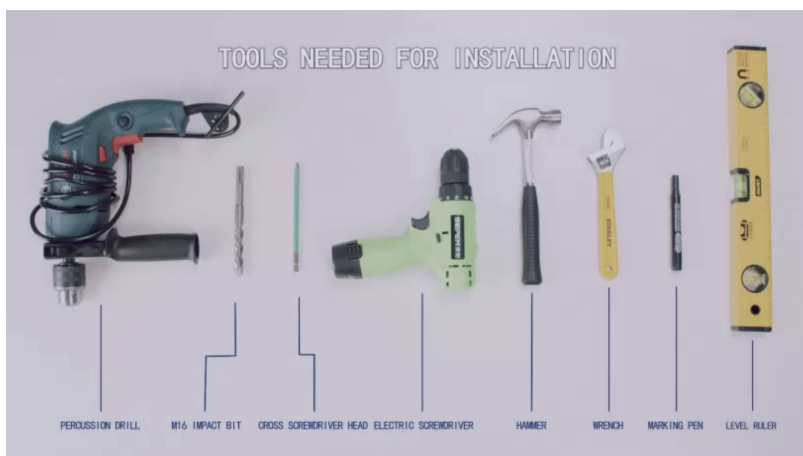
The installation should consider the following conditions:

1. The location selection should consider the length of cable and provide the user with convenience for charging;
2. Charging equipment should not be installed near hazardous area such as electrical shock and flammable or explosive materials;
3. Charging equipment should not be installed in places where it is prone to flooding;
4. The charger should be installed in a well-ventilated place;
5. The installation location should be clear of obstructions;
6. There should be enough distance of about 50cm around the charging equipment when installed on the wall;

Install Process:

1. Installation tools:

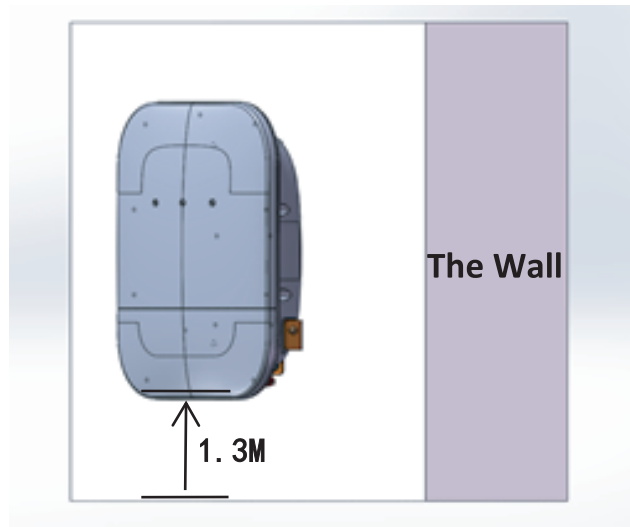
Preparation: (impact drill M8 drill bit, electric screwdriver, gradient)



The mounting screws are already included in the fitting

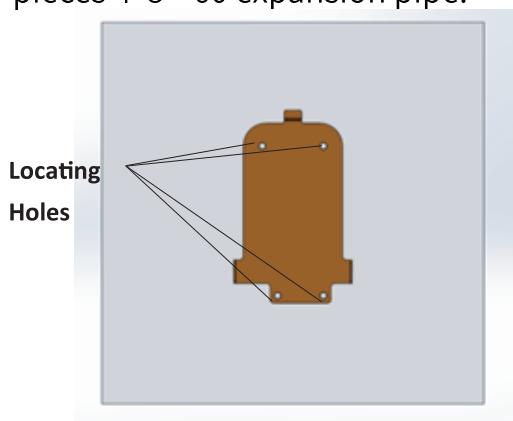
2.Installation steps:

a.Please confirm the installation position and mark it. The central position of the charging pile should be at least 1.3 meters above the ground.

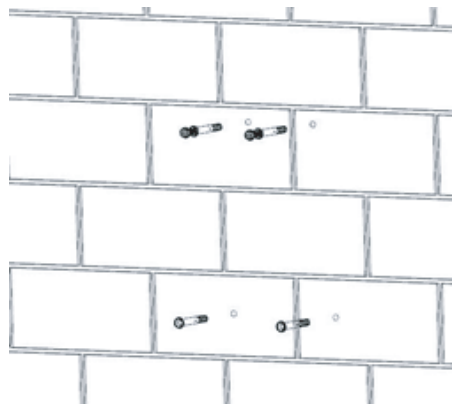


a

b. Compare the four locating holes on the hanging plate, and mark the wall with $\Phi 8$ Drill a 60mm deep hole at the mark and insert 4 pieces $\Phi 8 * 60$ expansion pipe.



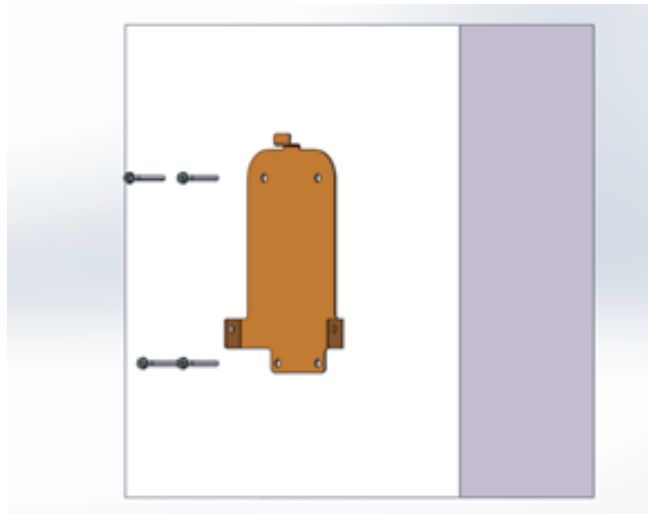
b-1



b-2

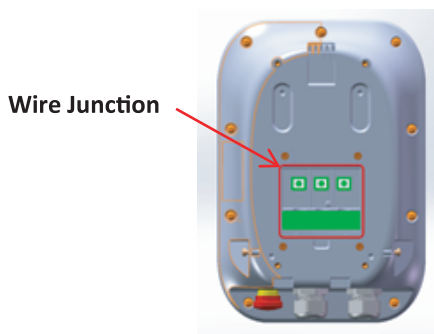
2.Installation steps:

c.Fix the hanging plate to the wall with 4 M6 * 60 cross slot tapping screws corresponding to the expansion pipe.



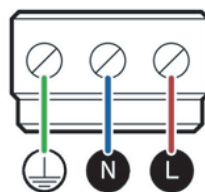
c

d.Connect the power line in sequence at the wiring on the back of the charging pile.



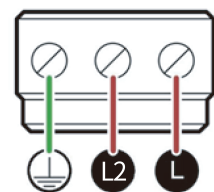
d-1

Single-phase
wiring diagram



or

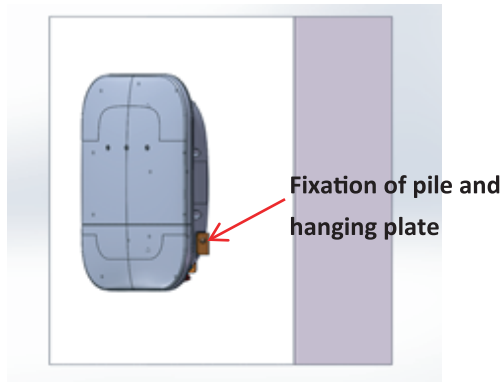
Dual-phase
wiring diagram



d-2

2.Installation steps:

e. Hang the charging pile installed with the incoming line on the hanging plate, lock the charging pile and the hanging plate with two M4 * 6 cross recessed pan head screws on both sides of the charging pile, and the installation is completed.



e

Operation Instruction:

Start charging

Before charging, the charging cable and connector should be inspected for damage, without foreign objects, water ingress or impurities.

Connect charging pile and vehicles

The light strip turns into a green light in slowly flashing , then wait starting.

Swipe the card to charge

We use an RFID card to start charging by putting it close to the swipe area.

Plug in and charge

Note:If your package doesn't contain the RFID card, please use this mode for charging.

After a successful connection, start charging.

The blue and green light stays on

Stop charging

- 1.Swipe the RFID card again to stop charging;
- 2.The charging equipment's light will turn green and the charging will stop;
- 3.Disconnect charging plug from the charging port and close the flap;
- 4.Hang the charging plug properly and wrap the cable around the holder.

Indicator Status		Charging Status	Next Step
	Green light stays on	Standby mode	Connect the charging plug to vehicle
	Green light flashing slowly	Vehicle-connector connected	Wait for the LED light to become Green and flash quickly
	Green light flashing quickly	Waiting for charging	Swipe the RFID card to start charging
	Green and blue light stays on	Charging	Swipe the RFID card to stop charging
	Red light flickering	Error alert	Check the troubleshooting chapter in this manual for solutions. Or contact the supplier of our product.

Troubleshooting:

Note:

Below faults should be tested and diagnosed by professional electricians.
We take no responsibility for any damage or safety hazards caused by operation by non-professional person.

Error Cause	Indicator Status	User Operation
Leakage	Red light flashes 1 time	Contact the Customer Service
CP Error	Red light flashes 2 times	Contact the Customer Service
Overvoltage	Red light flashes 3 times	Contact local Power Utility Company
Undervoltage	Red light flashes 4 times	Contact local Power Utility Company
Overcurrent	Red light flashes 5 times	Contact the Customer Service
Ground Fault	Red light flashes 6 times	Contact authorized installer to Check the Grounding
Emergency Button Error	Red light flashes 7 times	Turn the Red Button in the Lower Right Corner
Short Circuit	Red light flashes 8 times	Contact the Customer Service
Over-temperature	Red light flashes 9 times	Contact the Customer Service
Temperature Sensor Error	Red light flashes 10 times	Contact the Customer Service
Metering Chip Error	Red light flashes 11 times	Contact the Customer Service
Leakage Self-test Fault	Red light flashes 12 times	Contact the Customer Service
Relay Contact Welding Fault	Red light flashes 13 times	Contact the Customer Service

Warranty, Repair & Maintenance :

ZD Tech promises its products without any material and process defects during the warranty period. During the warranty period due to normal use of the product failure, ZD will repair and replace parts for users.

Please refer to your local authorized representative for country specific warranty terms. There are no user serviceable parts inside the charging equipment. Please contact the authorized service provider for assistance.

Disclaimer:

1. Accidental damage during transportation of the product by the customer.
2. Product failure or damage caused by improper installation by the customer or product usage outside of defined working environment.
3. Damage to the appearance of the product (Such as burns, warping, deformation, etc.).
4. The product has been attempted repair by unauthorized personnel.
5. Damage due to natural disaster (such as earthquakes, floods, etc.).
6. Products that exceed the warranty period.

Multinational language

GE: Für andere Sprachen scannen Sie bitte den QR-Code.

FR: Pour d'autres langues, scannez le code QR.

ES: Para otros idiomas, escanee el código QR.

PT: Para outras línguas, digitalize o código QR.

IT: Per altre lingue, scannerizza il codice QR.



<https://pmo33f007-pic7.websiteonline.cn/upload/ZDPortableCharger.pdf>

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