

USER MANUAL

3.5KW EV PORTABLE CHARGER



Display screen



Indicator light



Display screen



Indicator light



Please read this manual carefully before using it!

SAFETY INSTRUCTIONS

Thank you for purchasing and using our product. To ensure proper and safe operation, please read this instruction manual carefully before use.



WARNING

- Prolonged storage in humid conditions is strictly prohibited.
- Charging outdoors in stormy weather for prolonged periods is strictly prohibited.
- Never immerse the equipment in water.
- Never insert fingers into the energized charging head.
- Never charge the device in proximity to objects that generate high temperatures.
- This product contains no user-serviceable parts. Do not attempt to repair or perform maintenance yourself.



ATTENTION

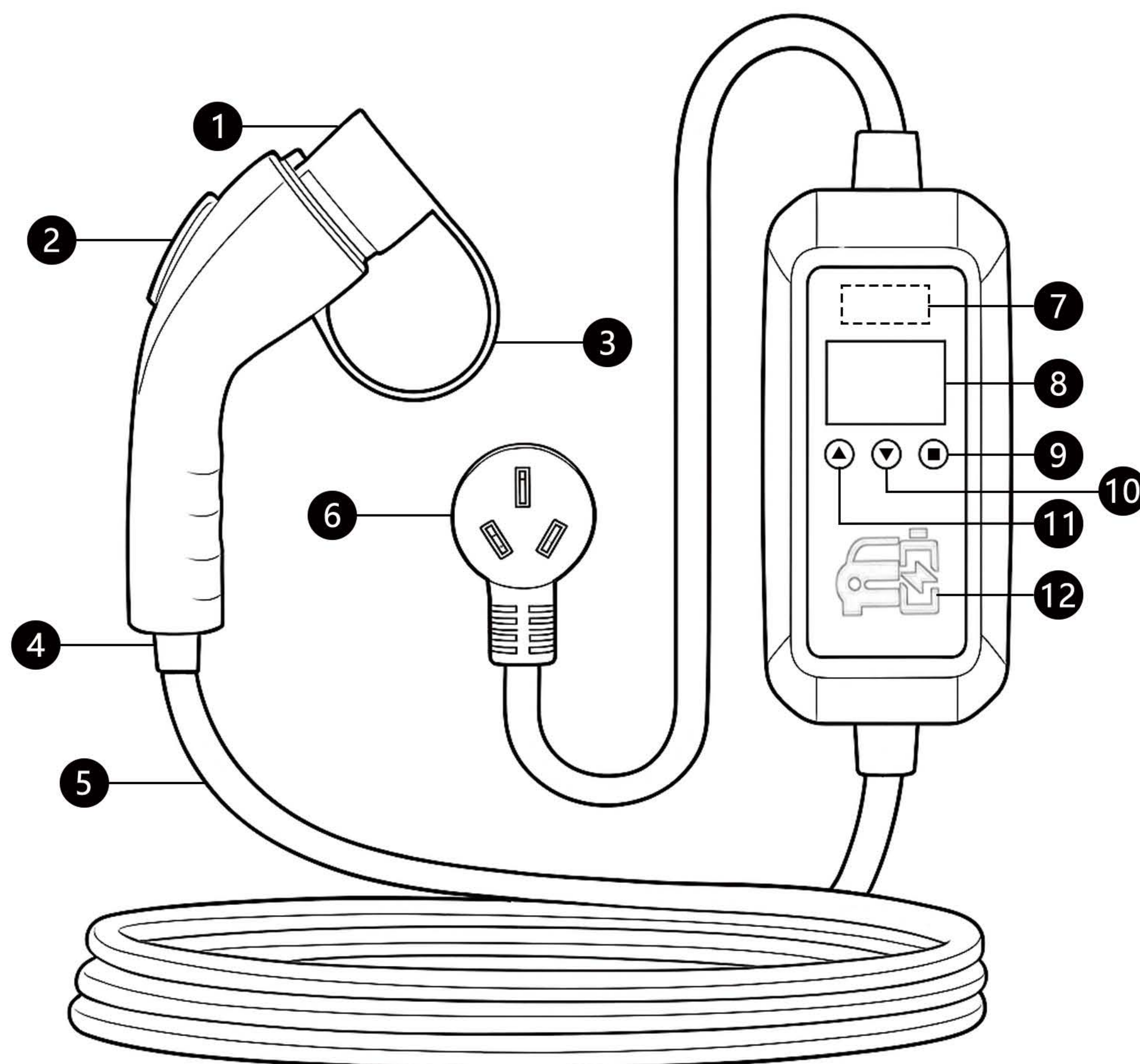
- Only for use with 110V-240V power supply.
- Do not use the charging device if it shows rust, cracks, or other abnormalities.
- For charging issues after following the manual, contact your authorized dealer for support.
- Do not charge when the plug or socket is dirty or wet.
- Wipe with a clean, dry cloth to ensure both the charging plug and socket are completely dry and clean.
- Ensure proper ventilation during charging to maintain adequate heat dissipation.

PRODUCT PARAMETERS

Conform to the standard	GB/T 18487.1-2023 / IEC61851-1、IEC62752、IEC62955 / UL2231-1、UL2231-2、UL2594
ELECTRICAL PERFORMANCE	
Rated voltage	110V~240V AC
Rated current	16A
Rated power	3500W
Standby power consumption	≤3W
Insulation resistance	>100MΩ
ENVIRONMENTAL PERFORMANCE	
Working temperature	-30℃~+50℃
Working humidity	5%~95%
Working altitude	<2000M
Storage temperature	-40℃ ~ +80℃
MECHANICAL PERFORMANCE	
Service life	>10000
Insertion and extraction force	≤100N
Locked-position release force	≥300N
Impact pressure	±2.0KV
MATERIAL APPLICATION	
Control box material	High-strength PC
Material of the charging head	Copper alloy/Silver plating/Nickel plating/Nylon
Cable material	PVC / TPU
Plug material	PC/Phosphor bronze
SAFETY PERFORMANCE	
Protection grade	IP66(Control box)/IP55(Charger head coupling status)
Safety protection	Short circuit protection/Overcurrent protection/Overvoltage protection/ Undervoltage protection/Earth leakage protection/Overtemperature protection
Flame retardant rating	UL94-V0
SIZE AND WEIGHT	
Control box size	19CM*9CM*5CM
Overall length	5M/10M/15M/20M(Default 5M)
Product weight	1.8KG
Screen size	1.8" Note: Indicator light model does not include a display screen.

PRODUCT FUNCTION (Display screen) 1-1

Schematic diagram:

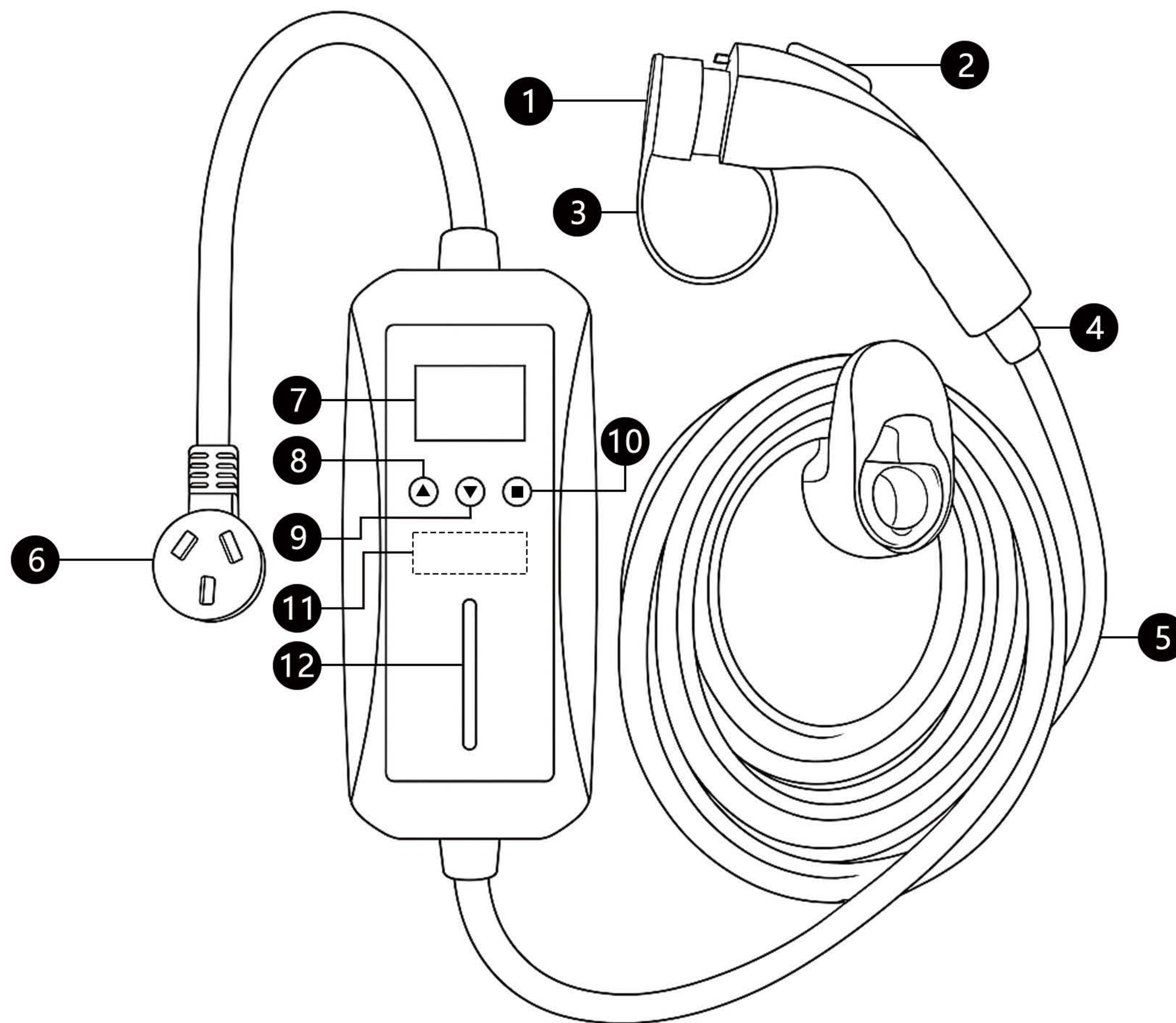


(The picture is for reference only)

S/N	Name	Function Summary
01	Dust cover	Effectively prevents dust, hair, fibers, and other particles from entering the charging adapter, avoiding internal component overheating or short circuits caused by dust accumulation
02	Snap-fit button	Used to lock/unlock mechanically (no button on EU/Tesla versions)
03	Connecting wire	It is used to fix the position of the dust cover to prevent it from falling or getting lost
04	Cable sleeve	It is used to protect the safety of the connection between cables and equipment, playing a role in reinforcement, dust prevention, water prevention, damage prevention and leakage prevention
05	Cable	Electric energy transmission
06	Input plug	Power input
07	logo placement area	A fixed area for placing the brand logo
08	Screen	1.8-inch display screen (area showing device charging status)
09	Up touch key	Shift options up
10	Down Touch Key	Downward move option
11	Confirm Touch Key	Confirm Option
12	Silk-screen Pattern	Decorative Pattern

PRODUCT FUNCTION (Display screen) 1-2

Schematic diagram:

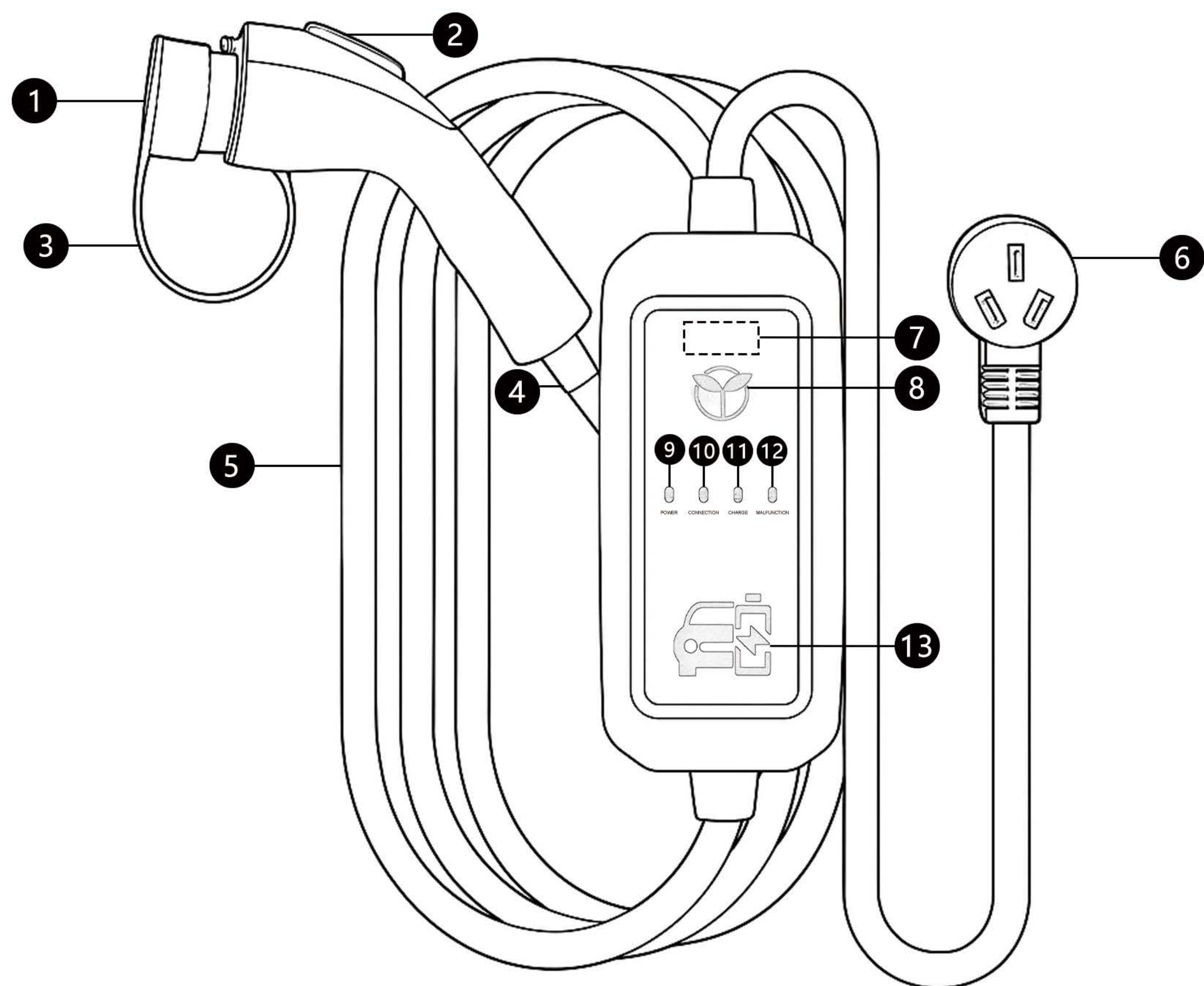


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10	Confirm Touch Key	Confirm Option
11	logo placement area	A fixed area for placing the brand logo
12	LED light strip	An led flowing light strip with a sense of atmosphere and technology

PRODUCT FUNCTION (Indicator light) 2-1

Schematic diagram:

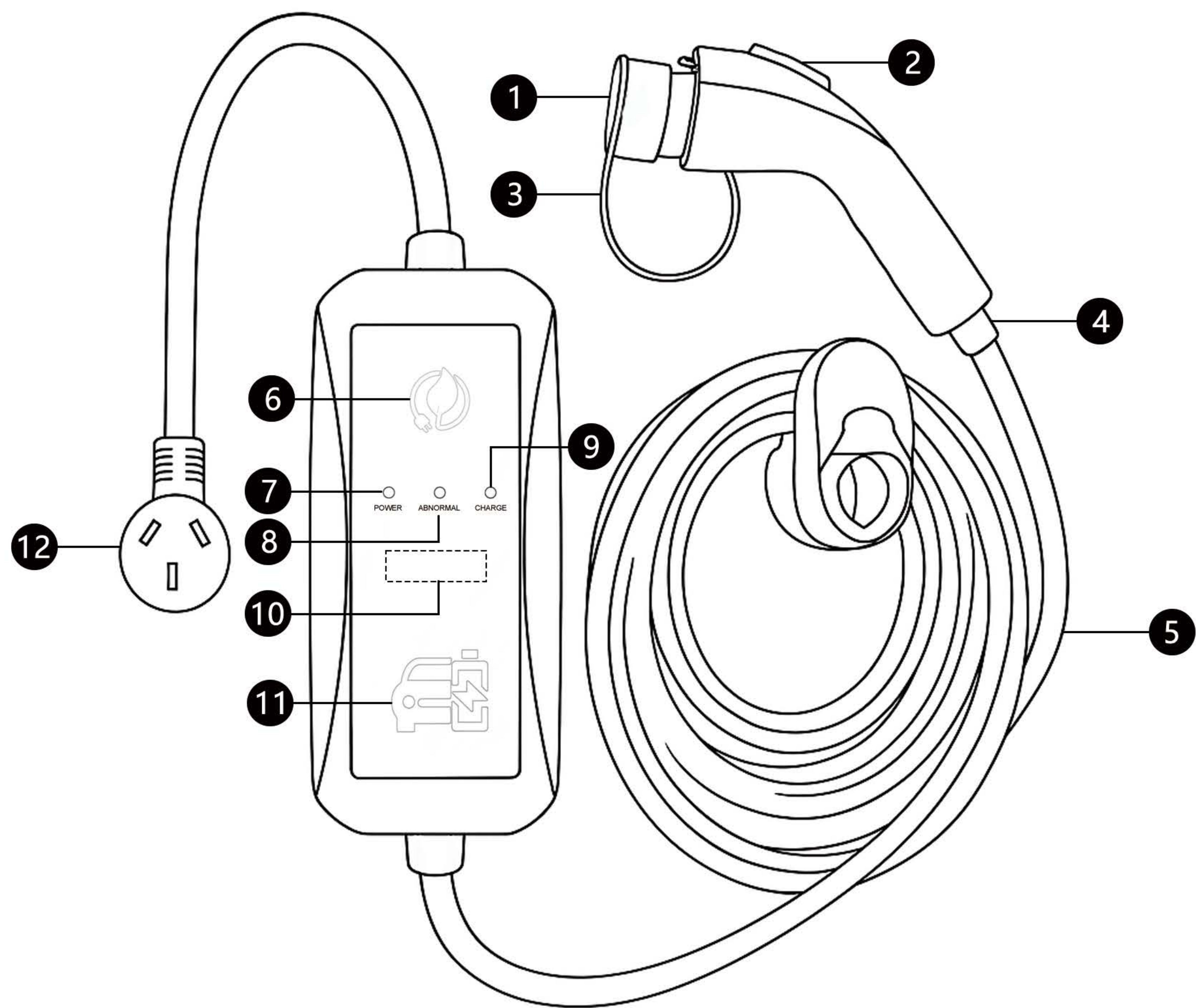


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06	Input plug	Power input
07	logo placement area	A fixed area for placing the brand logo
08	Silk-screen Pattern	Decorative Pattern
09	Power indicator light	The indicator light remains steady red when power is connected.
10	Connect the indicator light	The indicator light remains steady green when connected to the vehicle charging port.
11	Charging indicator light	The indicator light blinks green during charging and stays steadily lit green when fully charged.
12	Fault indicator light	In case of product malfunction, this indicator light will turn on yellow
13	Silk-screen Pattern	Decorative Pattern

PRODUCT FUNCTION (Indicator light) 2-2

Schematic diagram:



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11	Silk-screen Pattern	Decorative Pattern
12	Input plug	Power input

PRECAUTIONS BEFORE USE

-  To prevent electric shock risks due to lack of grounding, this product must be used with proper grounding. If the socket's earth wire is not correctly connected to the ground, charging may be disabled. Please ensure the power socket has an additional ground wire installed.
-  For this product, please connect to sockets or power supplies that comply with relevant standards based on the current rating. The power supply wiring must meet current requirements:
For 16A, wire cross-section shall be $\geq 2.5\text{mm}^2$.
Non-compliant sockets or cables may cause burning and fire hazards.
-  When charging with this product, do not place the control box unsupported during charging to prevent poor power plug contact that may cause burning hazards.
-  When charging with this product, ensure the connector head is fully engaged with the vehicle interface. A 'CONNECTION OK' indicator on the control box signifies proper charging gun connection.
-  When using this product, avoid exposing the charger directly to rain to prevent unnecessary damage and hazards.
-  During operation, do not touch metal conductors while carrying high current to prevent electric shock accidents.
-  The control box and charging head housing are made of plastic material. Avoid physical impact to prevent operational issues and safety risks.
-  When charging, plug in the power plug first, then connect the charging connector.
When finishing, disconnect the charging connector first, then unplug the power plug.
-  During charging:
Placing devices in vehicles or enclosed spaces is prohibited.
Placing devices near high-temperature objects is prohibited.
-  Ensure the charging head is fully engaged with the vehicle charging port.
-  Follow operating procedures for charging operations.
-  This product is exclusively for use with AC charging ports of new energy vehicles; incompatible with DC charging ports.

When charging failure occurs, resolve as follows:

- ① Ensure the charging head is fully inserted into the vehicle charging port, and the power plug is fully engaged in the socket.
- ② Re-plug the charging head into the vehicle charging port.
- ③ If unresolved after above steps, contact us for technical support.

OPERATING INSTRUCTIONS (Display screen)

Operation Procedure:

Step One



Plug in the power plug first

Step Two



Press the latch button.

Step Three



Insert the charging head firmly into the vehicle AC port.



Important: After charging completes, disconnect the charging head before unplugging the power plug.
For European standard and Tesla connectors (without latch buttons), insert directly without pressing.

Operating Methods:



▲ Page Up & Increment



▼ Page Down & Decrement



■ Confirm

Configure charging current and scheduled charging time using the CONFIRM, UP, and DOWN buttons.

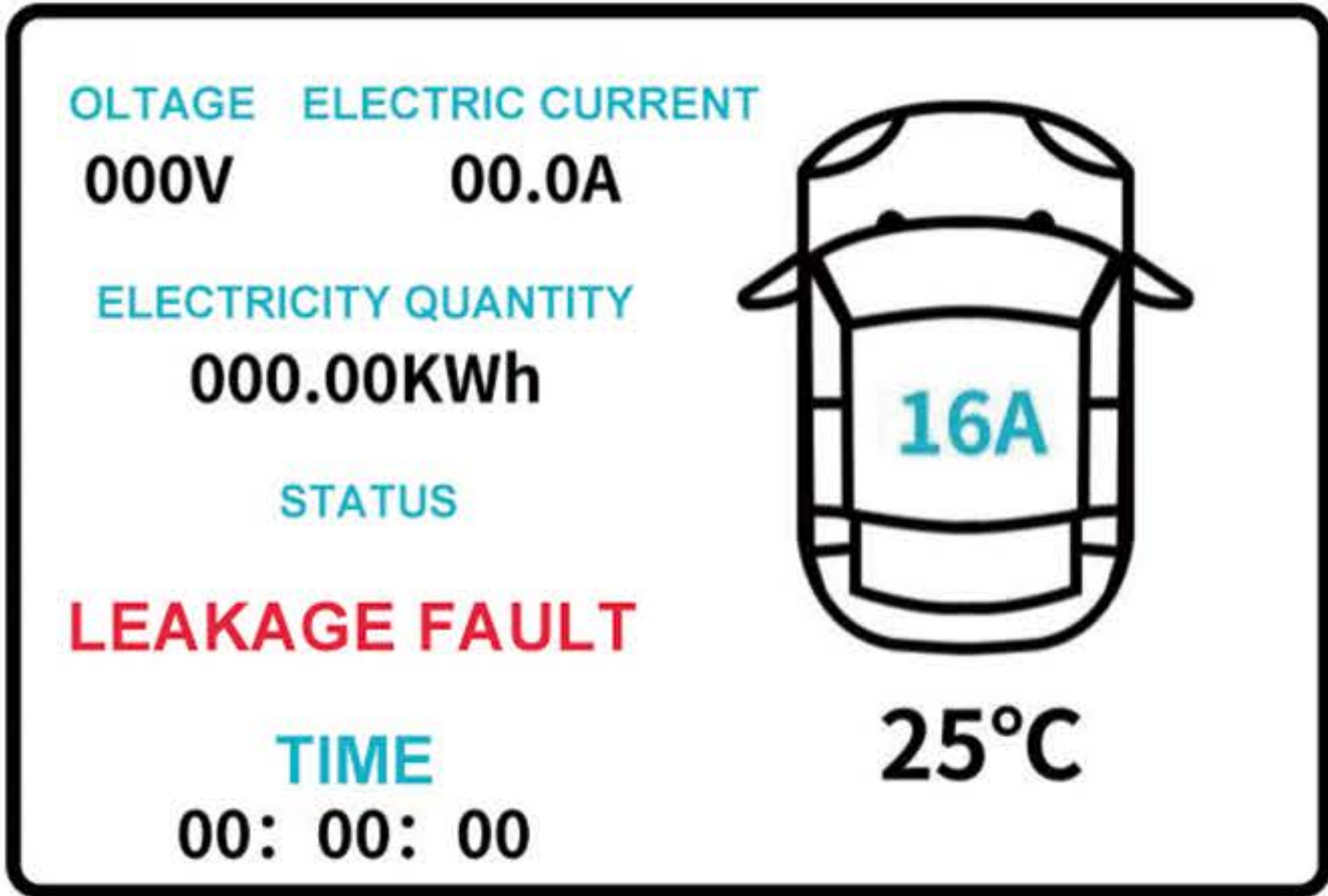
Charging current: Adjustable between 8–16A

Scheduled time: Configurable from 0–24h

Select settings based on the safe current capacity of your installed socket.

SCREEN DISPLAY CONTENT(Display screen)

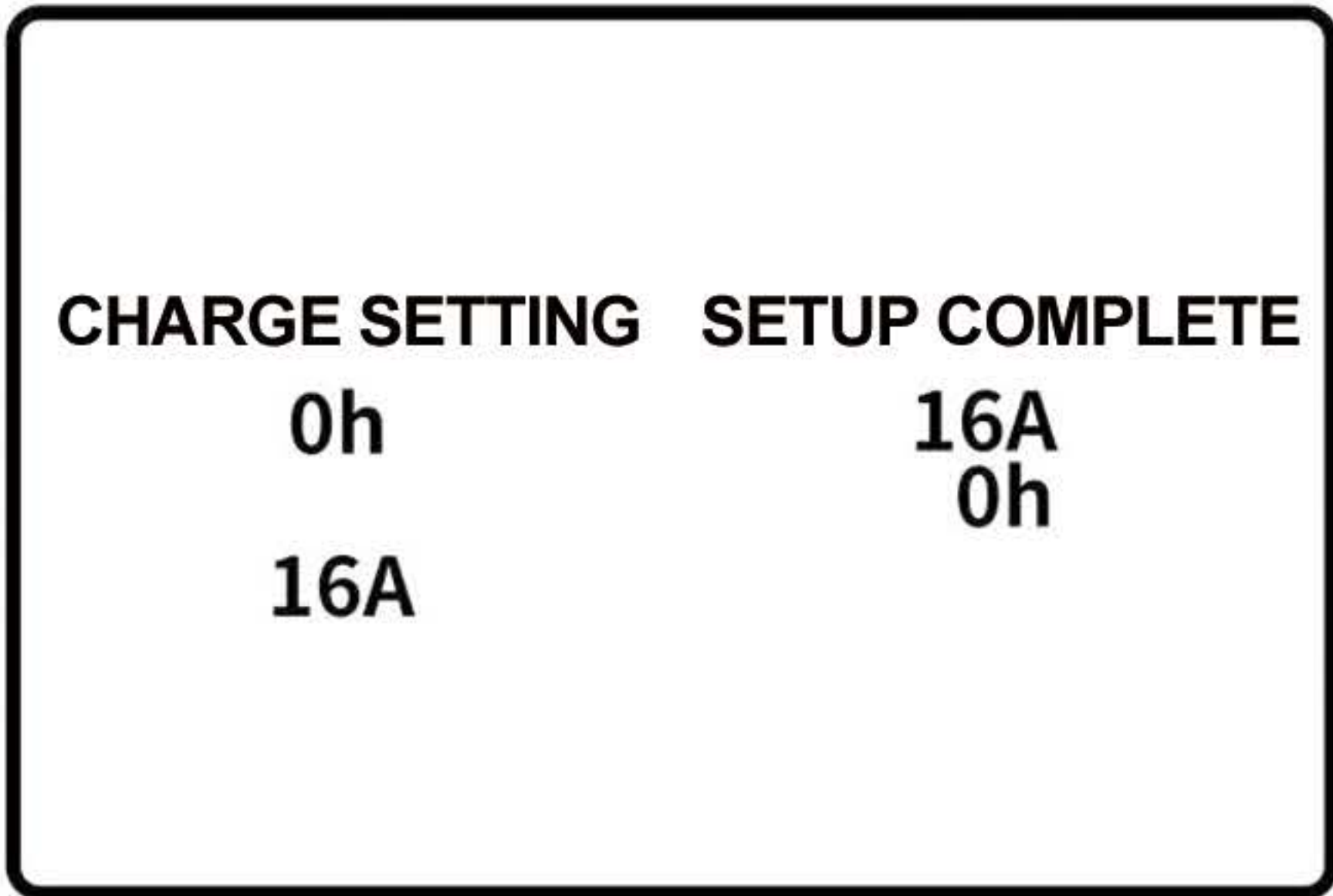
Default page:



(The picture is for reference only)

This screen displays real-time charger operating status: Voltage, Current, Charged Energy, Charging Status, Duration, and Control Box Temperature.

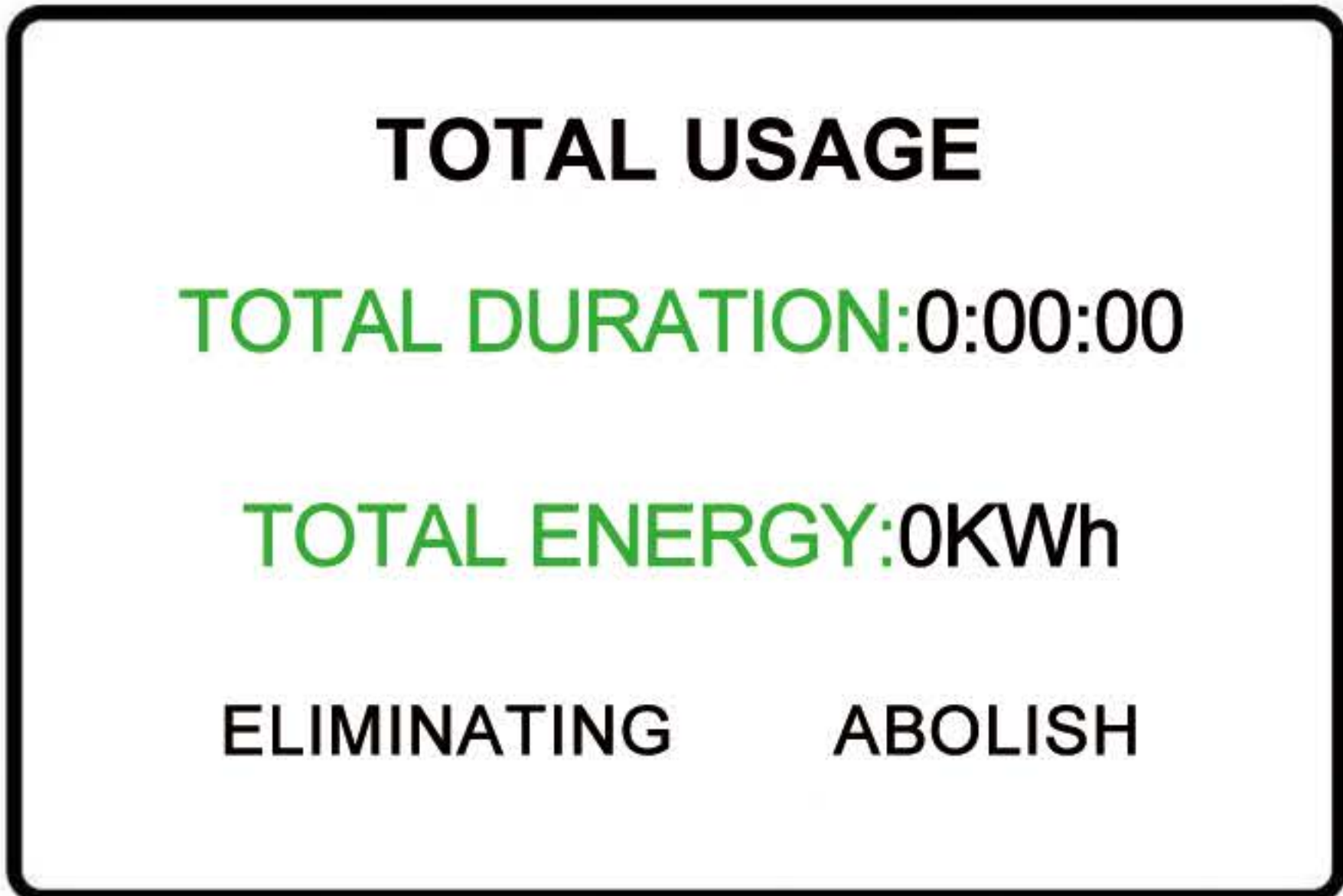
Charging Settings page:



(The picture is for reference only)

This page displays charging settings. The current can be adjusted via touch keys.

Electricity consumption statistics page:



(The picture is for reference only)

Charging Information Display:Shows Total Charging Duration and Charged Energy.

OPERATION AND STATUS DESCRIPTION (Indicator light)

Operation Procedure:

Step One



Plug in the power plug first

Step Two



Press the latch button.

Step Three



Insert the charging head firmly into the vehicle AC port.

 **Important:** After charging completes, disconnect the charging head before unplugging the power plug.
For European standard and Tesla connectors (without latch buttons), insert directly without pressing.

Indicator light status description:

Power Sources	Connect	Charging	Malfunction	Summary
				No power supply
				The power input is normal
				It has been connected to the vehicle
		 Flashing		Charging in progress
				Charging completed
 Flashing				There is no grounding protection, overvoltage protection or undervoltage protection. Please confirm the grounding Restart after reaching the power supply voltage
	 Flashing			Communication anomaly. Please confirm the connection of the charging head and the status of the vehicle end. After troubleshooting, restart
	 Flashing	 Flashing		Overcurrent protection and over-temperature protection. Please restart after eliminating them
 Flashing	 Flashing	 Flashing		Leakage protection. Please eliminate it and then restart

AFTER-SALES SERVICE AND THREE GUARANTEES (1-1)

After-sales service guarantee

Our company guarantees that all the products it manufactures have undergone strict quality inspection. Within one year from the date of purchase, if any quality problems occur under the correct usage methods, our company will provide free repair services to the users.

Users' improper handling, installation, incorrect use and maintenance by themselves; Due to natural disasters, the products are directly damaged and cannot be used normally. The product has taken in water or been soaked in water. None of them are covered by the product warranty.

This quality guarantee does not include the freight for returning to the factory for repair.

This quality guarantee is only for the original buyer.

The contents of the three guarantees service

1. Within 7 days from the date of receipt, ensure that the received goods are in good condition, with complete product packaging and accessories, etc. In case of performance faults not caused by human factors, a one-time refund at the invoice price can be made, or a product of the same model can be replaced, or free repair can be provided.

2. Within 8 to 15 days from the date of receipt, if the product has performance faults that are not caused by human factors, it can be replaced with a product of the same model or repaired free of charge.

3. Within 12 months from the date of receipt, if the product has performance faults that are not caused by human factors, it can be repaired free of charge. If it still cannot be used after more than two repairs, it can be replaced with a product of the same model based on a valid repair record.

AFTER-SALES SERVICE AND THREE GUARANTEES (1-2)

The following are not within the scope of the three guarantees service:

1. The product exceeds the validity period of the three guarantees;
2. No warranty certificate, valid invoice or other valid certificates;
3. The model of the "three guarantees" certificate does not match the product model or has been altered;
4. Damage caused by failure to use, maintain or service in accordance with the requirements of the "User Manual" or by using non-original factory parts;
5. Unauthorized maintenance, modification, misuse, collision, drop, compression, liquid ingress, and corrosion;
6. Tearing, defacing or being unable to recognize product labels, seals and serial numbers;
7. Damage caused by irresistible forces such as floods, fires, and lightning strikes;
8. Damage caused by normal wear and tear or normal aging of the product;
9. Products of the company that are not sold or used in the Chinese mainland;
10. Man-made damage is not covered by the warranty;

Paid service

If this product still needs to be repaired despite not meeting the conditions of the "three guarantees" service, our company will charge for materials and labor.