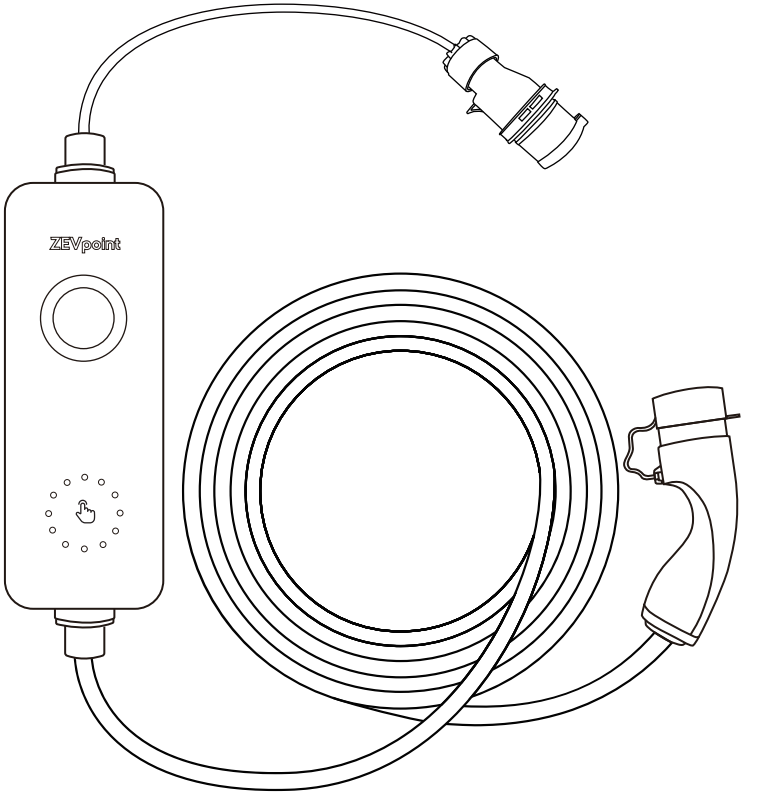
QUICK USER GUIDE

Portable EV Charger

SWIFT MINI



CONTACT US

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Made in China

1 Summary

Equipped with vehicular communication and safety protection, the control box, which comes with an industrial plug at one end and a CE standard TPYE 2 charging plug at the other, makes safer home charging available.

2 Environment condition

Operating temperature: -25℃～+55℃;Storage temperature: -40℃～+70℃

Operating humidity: 5%～95%RH,non-condensing

3 Installation requirements for Swift Mini EV charger

- Ensure sufficient power supply (32 Amp) is available for proper functioning of the EV charger.
- Use 6 sq mm, 3-core copper cable for electrical connections.
- A 40 A rating double/Two - pole MCB is recommended for regulating power flow.

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4 Model number

ZPAC04 - SWIFT MINI

5 Product picture and interface description

5.1 Exterior drawing of charger

Fig 1 Outline drawing of charging box

5.2 External dimensions of charger

341mm（L)*102mm(W)*57mm(H)

5.3 Outline description of charger

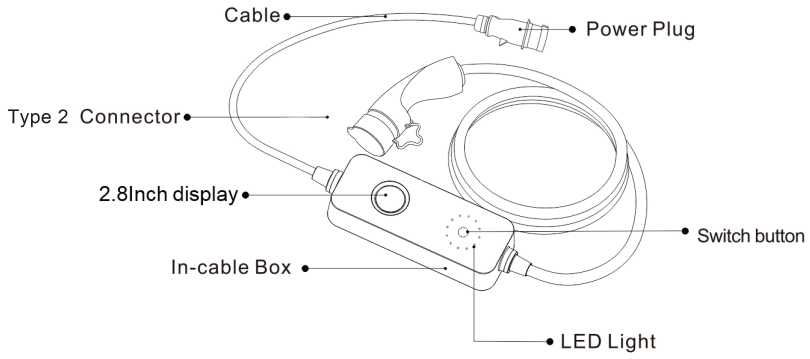

Fig 2 Description of charger appearance

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6 Technical Parameters

Specifications	Model	ZPAC04
Appearance material	Product name	SWIFT MINI Portable EV Charger
	Shell material	ABS+PC Plastic shell
	External dimensions	341*102*57mm
Electrical index	Input voltage	230V Single phase
	Input Current	16A(MAX)/32A(MAX)
	Frequency	50Hz/60Hz
	Maximum Power	7.2KW
	Stand by Power	⩽3W
	Standard	EN 62752
	MTBF	100,000 hours
Environmental index	Applicable Scene	Outdoor / Indoor
	Operating Temperature	-25℃ to +50℃

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	Operating Humidity	5%～95%
	Altitude	<2000m
	IP class	IP66
	Cooling Mode	Natural cooling
Safety Protection	Overload Protection	Yes
	Short Circuit Protection	Yes
	Leakage Protection	Yes
	Grounding protection	Yes
	Over temperature protection	Yes
	Anti-thunder protection	Yes
Human-computer Interaction	LED light	Yes
	Display	Yes

Table 1 Technical parameters

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7 Charging Status Indicator

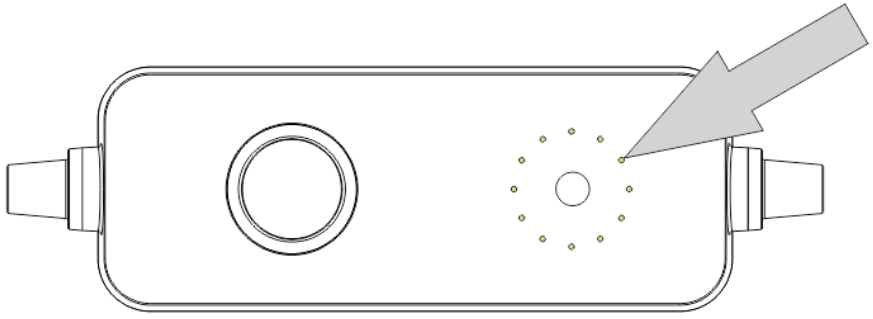

Fig 4 Color status diagram of charging status indicator

State	Disconnected Mode	Connected Mode	Charging Mode	Finish Mode	Fault Mode
Indicator light	Light	Light	Rolling	Light	Flashing

Fig 5 Color status diagram of charging status indicator

8 Operating instructions for charger

8.1 How to use

- Insert the power plug into the outlet, the bottom indicator light is on, and the electric car charger is started;
- After power on, the default charging current is the low gear current. As shown in Figure 7, you can press the touch button to switch to high current (Only in switchable version). The screen displays the corresponding current after every change;
- Plug the charging connector and the full circle indicator light will be on;
- After that, it will automatically enter the charging mode, and the indicator light will be rolling;
- When you need to finish charging, just pull out the charging connector directly.

Note : Socket harness must be more than 6 square milimeters.

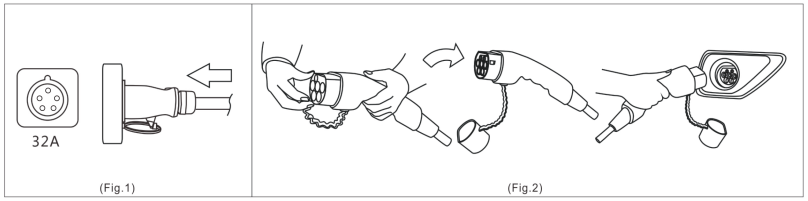

Fig 6 Connect electric vehicle and start charging

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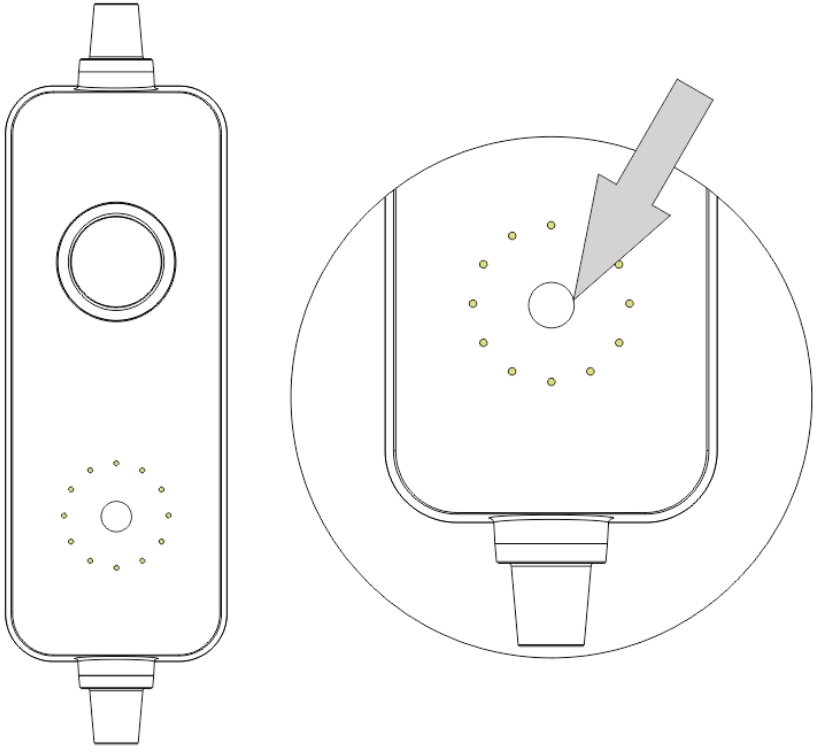

Fig 7 Charging process of switching the current

8.2 HMI Pages

Charging box startup page

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As shown in the following figure, the charging can be completed by sequential operation (from left to right):

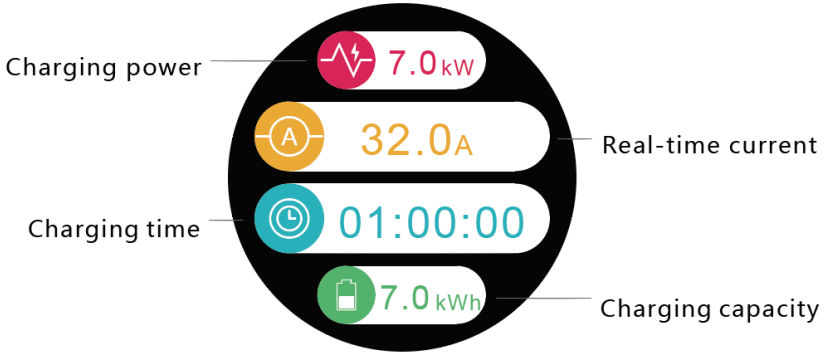
Plug to be inserted

Charging standby

Charging

Full-charging

8.3 Illustration of Screen



Charging information

If the system is abnormal, a fault will be prompted, as shown in the following figure:

Fault

When there are multiple faults, only one fault is displayed.

The charging will not continue when short circuit protection fault and leakage protection fault occur and can be recovered only after the charging plug is unplugged and plugged in again; other faults do not need to plug in and unplug the charging plug, and the charging will resume automatically after the fault is recovered.

For serious faults, the system cannot recover automatically. In order to remind the user that this fault has occurred, the system will restart automatically after the user pulls out the plug.

9 Caution of Using

- Failure to follow the instructions may result in danger;
- Please use the charging station when the operational condition is technologically normal and safe;
- Prevent children from touching the charging station;
- Install a charging station away from pyrotechnics , dust and corrosive occasions;
- The output of the charging station is high voltage, so you must keep yourself safe in the process;
- If a fault has occurred, there might be a risk of getting electric shock or even death. Please cut off the power supply under emergency situations;
- Do not disassemble the charging station during charging.

10 About Maintenance

The product is already packed in the factory , and during transportation , strong impact and bumps should be avoided to protect the outer packaging of the product from damage. The product should be placed at an ambient temperature of -40℃～+ 70℃ and a relative humidity of no more than 95% . The ambient air should not contain acids , alkalis or other corrosive gases and explosive gases , and it should be protected from rain , snow , wind and sand.

11 Security Warnings

- Failure to follow the instructions may result in danger!
- Please regularly check whether the charging station has visible damage. There may be a risk of getting electric shock if operating a damaged charging station.
- Make sure that all safety facilities are available at all times and test regularly to ensure proper operation;
- If a ground fault occurs, it must be assumed that the base's cable carries the voltage, and after confirming that no high-voltage power is available in the system, check the charging station.
- Installers and users must observe the principles and regulations to guarantee their safety and equipment safety.
- Before powering up the equipment, please make sure that the equipment is properly grounded to avoid unnecessary accidents.
- All the tools that do not require exposed metal parts should be insulated to prevent exposed metal parts from touching the metal frame and causing a short circuit.
- Do not modify, refit, or change any part by yourself under any circumstance.
- Ensure the service life and stable operation of the charging station. The operating environment should be kept as clean, homo-thermal and constantly humid as possible. The charging station must not be used in the presence of volatile gas or flammable atmosphere.
- Make sure that the input voltage, frequency, circuit breakers and other conditions have already met the specifications before powering up the equipment.
- This product needs to be installed by authorized personnel.
- You need to check if it meets the local regulatory requirements before using the product.
- The height requirement of the hanging connector is 0.4-1.5m above ground level.

12 Warranty

12.1 Warranty Conditions

When the product leaves the factory, the user completely abides by the storage, installation and use rules specified in this instruction manual yet still finds quality issues.

After the product leaves the factory, the user opens the package and finds that the product or supporting parts are damaged due to transportation problems.

12.2 Guarantee Time

Product warranty lasts for 12 months after the user receives the product.

12.3 Warranty Method

- During the warranty period, the manufacturer is responsible for free replacement or repair.
- Beyond the warranty period, the user shall negotiate with the manufacturer to replace or repair in a paid way.
- This manual is subject to any change without notice.
- If there's any inconsistency between the real product and the content described in this manual, the real product shall prevail.