

TOP AC

11kW Portable Charger

EVE01-11



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USER AND SAFETY GUIDE

READ THE ENTIRE DOCUMENT CAREFULLY BEFORE INSTALLING AND USING THIS DEVICE, TO AVOID PUTTING YOUR HEALTH AT RISK, OR DAMAGING THE EQUIPMENT.

KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE!

SAFETY INSTRUCTIONS:

1. WARNING! High voltage is present on this equipment and its power cords. Contact may result in serious injury or death. Handle with care and follow all safety procedures!
2. WARNING! Use the device exclusively for applications compliant with its intended use.
3. WARNING! Use the device only as explained in these instructions!
4. WARNING! The power outlet, if not installed correctly, may cause electric shock or fire during the electric vehicle charging!
5. WARNING! Use the portable charger only with adequately grounded electrical mains!
6. WARNING! The charging station must only be connected to a power supply system with a neutral conductor connected to the earth!
7. WARNING! Use the charger only with a power grid and appliances which comply with all applicable regulations!
8. WARNING! The power outlet used for charging must be connected to a protected circuit in compliance with local standards and legislation!
9. WARNING! The power outlet must be protected by an adequate type A differential switch / RCD / RCCB.
10. WARNING! It is recommended to have qualified technicians check the electrical system before using the device!
11. CAUTION! When using the charger always comply with the safety instructions outlined in your vehicle's manual!
12. WARNING! Do not use the device if it has been damaged or shows any signs of defect. A damaged product may be unsafe. In case damage is detected, ensure the device is electrically insulated and do NOT use it until the necessary repairs or safety measures have been implemented!
13. WARNING! Do not use the device if power cords or connectors are damaged, dirty, or show any signs of defect!
14. WARNING! Do not use worn out or damaged power outlets!
15. WARNING! When using the device ensure all plugs and connectors are not wet or damp!
16. WARNING! Ensure the power plug is securely and fully inserted into the power outlet!
17. WARNING! Do not remove the plug from the power outlet while the device is working!
18. WARNING! Do not try to remove the cover or open the casing!
19. WARNING! Do not try to disassemble the device!
20. WARNING! Do not attempt to service or repair the device yourself!
21. CAUTION! Power the EVE01-11 charging equipment with suitable voltages!
22. WARNING! Do not use extensions, cable reels, multi-sockets, adapters (travel), timers, etc.!
23. WARNING! The power outlet, the plug, the charging connectors, and the charging equipment EVE01-11 should be kept away from humidity, water, snow, frost, and other liquids!
24. WARNING! Do not submerge in water!
25. CAUTION! Do not expose on a direct sunlight!
26. WARNING! When connecting the portable charger to the power grid, ensure the plug and the power outlet are not wet, damp, or dirty!
27. WARNING! The portable charger must not be left unattended when children are present. Continuous supervision is required to prevent accidental injury or misuse!
28. WARNING! Do not allow children to play with or use the portable charger!

29. WARNING! Clean the device only when it is fully disconnected from the electrical mains and the vehicle! Only use dry cloth for cleaning!
30. CAUTION! Do not drive over the charging cable or connectors with the vehicle!
31. CAUTION! During the charging process, the cable must not be strained or twisted!
32. CAUTION! When choosing a place for the device, ensure the power cords will have enough slack to avoid tension in junctions!
33. CAUTION! The device should be properly supported during use. Do not place it in a position where it hangs from or puts strain on the power cords!
34. WARNING! Regularly check the correct functioning and availability of the safety facilities!
35. WARNING! Do not use the device in environments containing volatile or flammable gases!

FEATURES:

1. The charging equipment EVE01-11 allows you to charge electric vehicles without the need for an additional device.
2. Continuous monitoring of the charging process guarantees the safety of the user and the vehicle.
3. Auto Balance: real-time adjustment of the EV charging current, preventing overloads when other house appliances are in use.
4. IP65 waterproof design.
5. Security protection: over-voltage protection, under-voltage protection, over-current protection, over-temperature protection, leakage current protection, short-circuit protection, etc.
6. Self-test: The charger is connected to the supply. The vehicle coupler is connected to the vehicle (only applicable if connected to the supply) or the vehicle has requested to initiate a charging session.

TECHNICAL SPECIFICATIONS

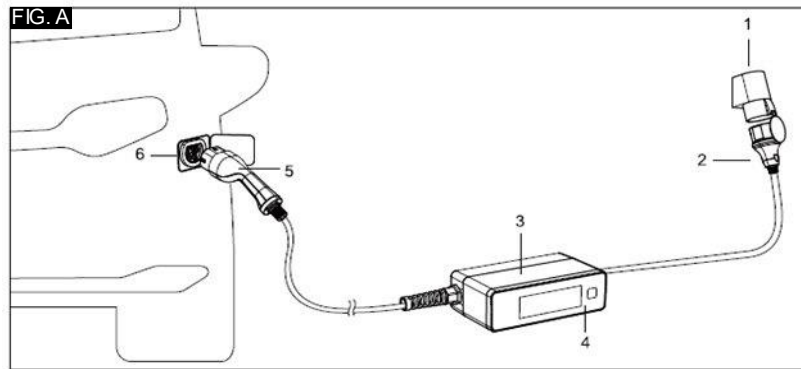
Model	EVE01-11
Plug type	CEE plug (16A, three-phase)
Product total length	5 meters
Rated input voltage	400V AC
Rated output voltage	400V AC
Rated output current	6 - 16A (selectable)
Rated max power up to	11000W
Cable insulation resistance	> 1000MΩ (DC 500V)
Input cable size	5x2.5mm ² + 2x0.5mm ²
Output cable size	5x2.5mm ² + 1x0.5mm ²
Charging connector	Type 2 (EN62196)
Power system	TN-C, TN-S
Working temperature	-25°C ~ +45°C

TRANSPORTATION AND STORAGE

1. Avoid sharp impacts, jolts, or any damage to the package during transportation.
2. The storage and transportation temperature should be -40°C ~ +70°C, and humidity should be ≤ 95%.
3. The charging cable must be wound and repositioned in a compact manner.

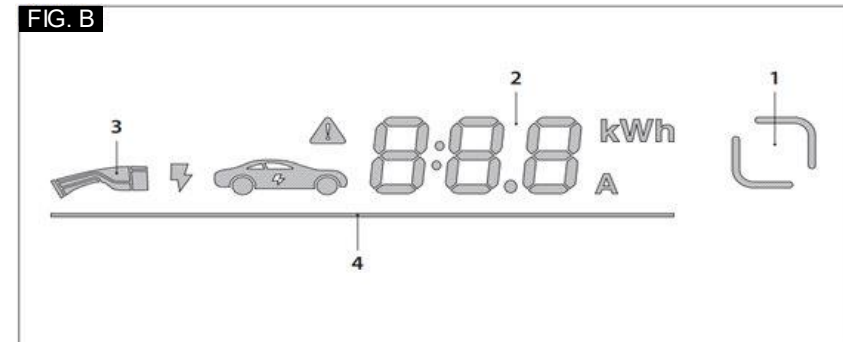
HOW TO USE

Components overview (Fig. A)



1. Power outlet
2. Power plug
3. Portable charger
4. Control panel
5. Type 2 charging connector
6. Vehicle charging socket

Device overview



1. Current selection button.
2. Current/Total energy. While charging, displays the current; after the charging is complete, displays the total energy supplied to the vehicle for the last charging session.
3. Charging connector icon. If it is flashing, you may insert the charging connector into the vehicle socket. If the icon is steady, the charging connector is successfully inserted in the vehicle socket.
4. Status bar:
 - a. steady, green: on standby, or charging has ended.
 - b. extending, green: charging in progress.
 - c. steady, red: error; a flashing attention sign, and an error code are displayed on the screen (see Error codes and troubleshooting section).

Manual operations

1. Adjusting the current for charging: By pressing the **Current selection** button (Fig.B.1) you can adjust the electric current to be used for charging.
2. Network reset: Press and hold the **Current selection** button (Fig.B.1) for 6 seconds to enable the device's Access Point and Bluetooth connection (see Local-only operations).

Note: For security reasons, **all manual operations** (including setting the charging current) on the device are allowed only during the first 3 minutes after the device is powered on.

How to charge a vehicle



WARNING! Ensure all plugs are tightly and securely placed into their sockets.

WARNING! Do not remove the plug (Fig A.2) from the power outlet (Fig. A.1) while charging.

1. Insert the plug (Fig. A.2) into the power outlet (Fig. A.1).
2. Set charging current by using the Current selection button (Fig. B.1) or via the Shelly Smart Control app (see next chapter).
3. Insert the charging connector (Fig. A.5) into the vehicle socket (Fig. A.6).
4. When the car is ready for charging, a green lighting-shaped icon will appear next to the charging connector icon.
5. The charging starts automatically after the handshake with the car is done.
6. To terminate the charging process:
 - Step 1: Stop the charging session via the vehicle controls or via Shelly Smart Control app. It is recommended to refer to your vehicle's user guide for instructions on how to properly do it.
 - Step 2: Release the vehicle socket (Fig. A.6). Refer to your vehicle's user guide for instructions on how to do it.
 - Step 3: Remove the charging connector (Fig. A.5) from the vehicle's socket (Fig. A.6).
7. Secure the portable charger.

Important: When the charger is configured not to start charging when the vehicle is connected and ready, the charger automatically initiates a short charging session for 2 seconds. This behavior is designed to prevent errors from some vehicle models, and to make the scheduled charging and Auto balance features available.

Note: Within the Shelly Smart Control application, you can disable the option for charging to begin automatically, and it will start after authorization for charging is given (see Auto charge for more details).

Note: The device reuses the charging current value set in the previous session for the next one.

Using your device with Shelly Smart Control app

The device can be controlled and monitored remotely by using the Shelly Smart Control mobile application.

To install the mobile application, scan the QR code below, or search for "Shelly Smart Control" in App Store, Google Play, or AppGallery to install.

The mobile application is free of charge, and you need to create a free account to use it.



Adding your device to the Shelly Smart Control

1. Open your Shelly Smart Control app.

Power on the portable charger, then press the Current selection button (Fig. B.1) to enter connection mode. The status bar (Fig B.4) is flashing green.
2. Tap on the on the plus sign at the bottom right corner of the screen.
3. Select Add via Bluetooth.
4. Tap Next to continue; a list of supported devices appears.

5. Select the device you want to add and tap **Next**.
6. Enter your Wi-Fi credentials and tap **Add device**.
7. Wait until your app finishes adding the device; it might take a few minutes. After the process is completed, a success message appears.
8. Enter a name for your device and select its picture; tap **Next**.
9. Select a room for the device to be added to or create a new one by tapping the Add room button.
10. Tap **Save**. The device has been added to your account.

Note: The Device comes with factory-installed firmware. To keep it updated and secure, Shelly Europe Ltd. provides the latest firmware updates free of charge. Access the updates through either the embedded web interface or the Shelly Smart Control mobile application. Installation of firmware updates is the user's responsibility. Shelly Europe Ltd. shall not be liable for any lack of conformity of the Device caused by the failure of the user to install the available updates in a timely manner.

Shelly Smart Control features

Auto Balance

Auto Balance allows the device to manage the current used during the charging session, considering the entire system consumption, to ensure that the total current used for all connected appliances will not exceed the maximum set in Total current limit.

In calculations there is also a 2A reserve included for safety.

To use this feature, it is required to have Shelly EM device - **Gen2/Pro or newer** installed and working in the same Wi-Fi network as the portable charger.

Note: If the portable charger **fails to establish a connection with the power meter** three times in a row, **the charging process is terminated**, and the portable charger is turned off.

Auto Balance has **two modes**, depending on portable charger being monitored by the energy meter, or not.

In the default mode the portable charger is part of the electrical system monitored by the energy meter.

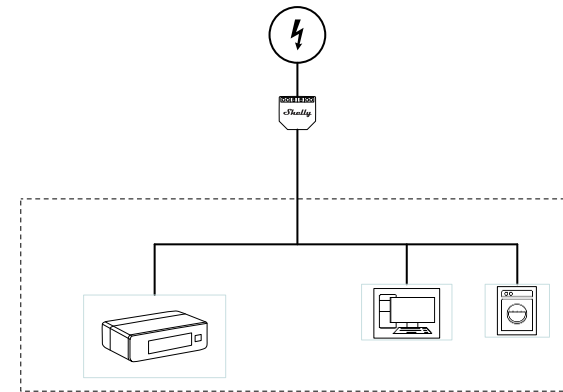


Fig. C: Default setup. The EM monitors EVE01-11

If the portable charger is not installed as a part of the electrical system monitored by the smart energy meter, the “The consumption of the EV charger is included in the measured current reported from the EM” checkbox should be unchecked.

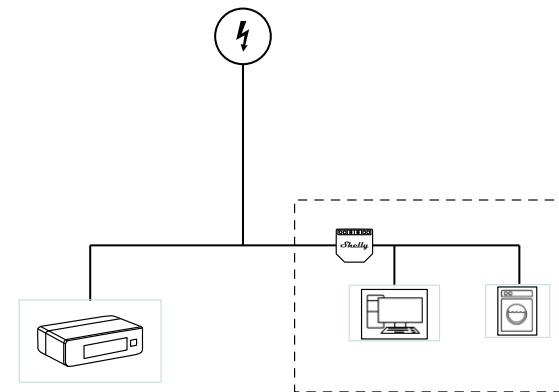


Fig. D: The EM does not monitor EVE01-11

Factory reset

Factory Reset: Erases all the changes made by the user, the device is removed from the user's account, and its settings are set to factory state. After using this feature, the device can be added again to your Shelly Smart Control account.

Schedules

Use the Schedules to configure the device to start or stop charging at a specified time or day.

Auto charge

Auto charge is enabled by default.

When this feature is active, the charging session starts automatically as soon as the charging connector is inserted, and the vehicle is ready for charging.

If the feature is disabled, the portable charger will **not** begin charging until the user manually starts the session using the **Shelly Smart Control** mobile app.

Global charge limit

This feature limits the maximum energy consumption, in kWh, for a charging session.

Global time limit

Global time limit specifies the maximum duration of a charging session, in minutes.

Note: Global time and global charge limits can be enabled at the same time; the charging session will stop as soon as either limit is reached. To resume charging after a global limit has been reached, it is necessary to reset the charging session by disconnecting and reconnecting the charging plug.

Local-only operations

Every Shelly device provides a local web interface for control and configuration through a standard web browser using a computer or smartphone, without the need for an internet connection. The only requirement is your browser to be in the same Wi-Fi network as your Powered by Shelly device.

Access the device directly over its Wi-Fi access point.

All Wi-Fi devices start a Wi-Fi access point when powered up. The name of this Wi-Fi network contains the model of your device coupled with a unique identifier for the device.

To access the web interface:

1. On your computer or smartphone, find the Wi-Fi network with a name (SSID) "DeviceName-XXXXXXXXXX", where 'DeviceName' is the name of the device you want to connect to, and 'XXXXXXXXXX' represents a unique combination of letters and numbers, constituting the device ID. This is the device access point.
2. After connecting to the access point, enter **http://192.168.33.1** and you will be redirected to the local web interface.

Note: If you choose to perform a factory reset via the local web interface, the device will be restored to its original factory settings. However, unlike performing a factory reset through the mobile application, this method does not remove the device from your user account.

Error codes and troubleshooting

In the event of an error, the status bar turns red, and an error code is shown on the display.

Errors, error codes and solutions:

CODE	CAUSE	SOLUTION
E01	High temperature protection 1	The product charges on min. charging current.
E02	High temperature protection 2	Wait for a few minutes and then start the operation again.
E03	High current protection 1.	Wait for the operation to start again.
E04	High current protection 2	Disconnect the device from the vehicle, connect it again and start the operation.
E05	RCD protection activated	Remove the charging connector and try to charge again.
E06	RCD protection activated during auto-test	Remove the charging connector and try to charge again.
E07	Undervoltage	Wait. The alarm will stop automatically.
E08	Overvoltage	Wait. The alarm will stop automatically.
E09, E10	Relays faulty	After-sales maintenance required.
E11	Thermal limit of power plug	The current is limited to the minimum value.
E12	Thermal block of power plug	Wait and then try to charge again.
E13	No ground connection	Insert the plug in a socket with ground connection.

E14, E15	CP connection fault	Remove the charging connector and try to charge again.
E16	Voltage connection fault	Make sure the input cord is connected correctly.
E17	Voltage phase fault	S phase or T phase has no voltage under the three-phase input mode. Make sure the input cord is connected correctly.
E22	AC sample fault	After-sales maintenance required.
E23	Communication fault	After-sales maintenance required.
E24	Function box NTC fault	After-sales maintenance required.
E25	Plug NTC fault	After-sales maintenance required.
E29	EVSE CC fault	Make sure the charging connector is firmly plugged

Declaration of Conformity

Hereby, ZHEJIANG GUANGWEI ELECTRIC & TOOLS CO., Ltd declares that the EVE01-11 is in compliance with 2011/65/EU, (EU)2014/35, (EU)2014/30, 2014/53/EU. The full text of the EU Declaration of Conformity is available at the following internet address: <https://shelly.link/greatway-evc11-doc>

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 Website: www.acdctop.com

Disposal and recycling

Do not dispose of the product in household waste. Recycle the product to prevent environmental and health damage and to promote resource conservation. Dispose of the product at an appropriate waste collection point at your own responsibility.

Resellers, from which the Device was purchased, are required to accept Waste Electrical and Electronic Equipment (WEEE) free of charge for proper disposal.

Some electronic products may store personal data. The user is responsible for deleting this data before disposing of the Device. For deletion, reset the device to its factory settings.

EN How to recycle
DE Wie recyceln
IT Come riciclare



FR Comment recycler
PT Como reciclar
ES Como reciclar

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This product meets all the basic EU regulatory requirements relevant to it.



Refer to instruction manual



Warning: Electricity



General warning sign



Non-switched protective conductor.



This product meets the requirements of Protection Class I in accordance with IEC Standard 61140.



Products marked with this symbol meet the requirements of the EU Directives restricting the use of certain hazardous substances in electrical and electronic equipment.



The surface of the charging equipment can become very hot if exposed to direct sunlight.



The charging equipment is suitable for operation up to an elevation of 2,000 metres above sea level.



This symbol indicates the lowest possible temperature in °C at which the device may be operated.



This product may not operate if used on IT or other unearthed systems such as isolated winding generators or isolating transformers



This symbol indicates that this product's protection rating meets the requirements of Protection Class IP65. This means that it is protected against dust in harmful quantities and temporary submersion in water.



Selective collection of waste electrical and electronic equipment. Electrical equipment must not be disposed of with household waste. Pursuant to European Directive 2012/19/EU on waste electrical and electronic equipment, and its transposition into national law, waste electrical equipment must be collected separately and disposed of in designated collection points. Contact the local authorities or the vendor for advice on recycling.

