

POWERTECH

MP3745

MPPT Solar Charge Controller

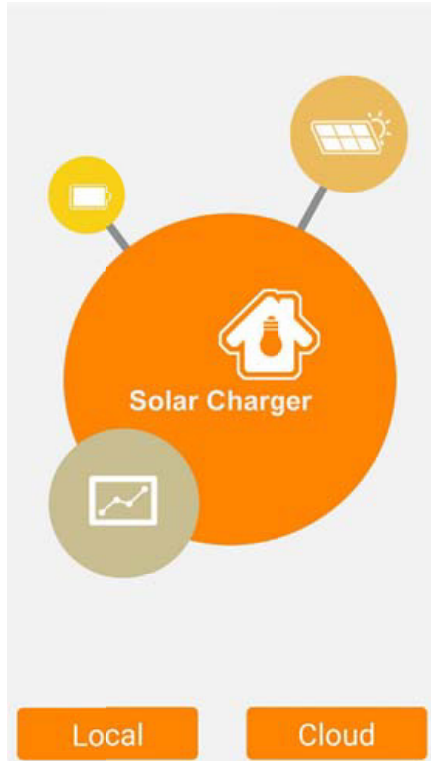


App Manual

ECO SOLAR APP:

Download the APP by searching ECO SOLAR in Google play/IOS APP store.

MAIN INTERFACE:



1. Click Local to enter Local mode
2. Click Cloud to enter Cloud mode

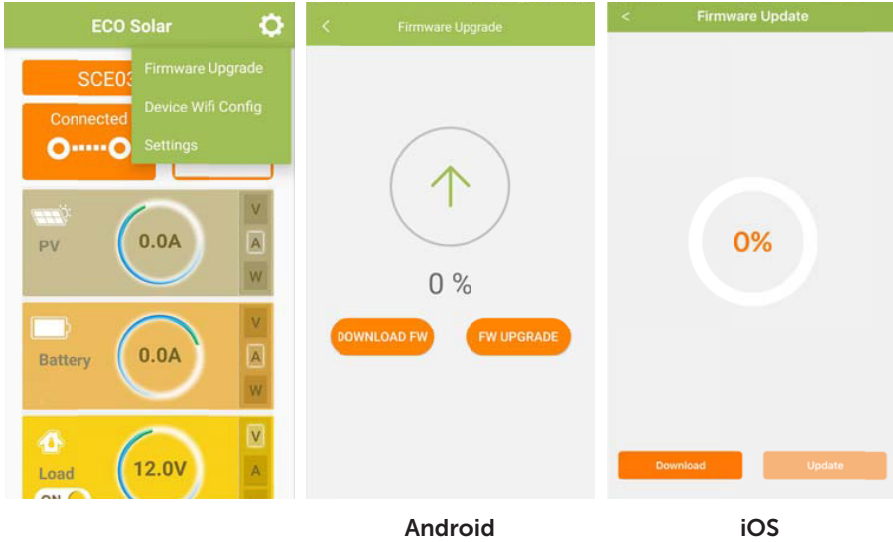
LOCAL:



1. Turn on WiFi according to the prompt, and manually or automatically connect the WiFi of the device (some mobile phones need to manually connect the device, password is 12345678)
2. The weather is the current location of the phone
3. After connecting the device, click V/A/W of PV/Battery/Load for details
4. After connecting the device, click the OFF/ON switch to control the load switch
5. There are differences between Android and iOS versions (as follows)



FIRMWARE UPDATE:



1. Click Firmware Upgrade to enter the offline Upgrade interface
2. In the upgrade interface, switch to the available network (mobile network or normal WiFi) and click DOWNLOAD FW to DOWNLOAD the latest upgrade package
3. After downloading the UPGRADE package, connect the device WiFi and click FW UPGRADE to UPGRADE. There will be corresponding prompts if the UPGRADE fails or cannot be upgraded

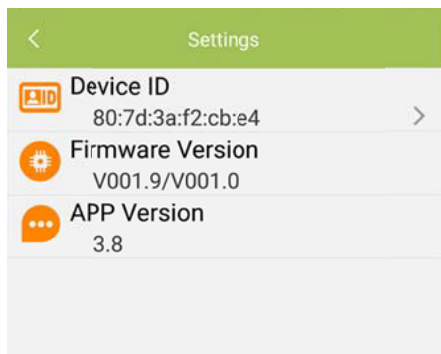
DEVICE WIFI CONFIG:



Note: this feature is only available near the device

1. Click the search button to search the WiFi near the phone, or manually input the corresponding WiFi name (not the WiFi of the device).
2. Due to permissions, iOS only supports manual input of WiFi name, and does not support selection of WiFi
3. After entering the corresponding WiFi password, approach the device according to the prompt and turn on the bluetooth switch (if the phone has already turned on the bluetooth switch, there is no hint). Click SMART LINK to bring the device online to the cloud
4. If you enter the wrong WiFi name or password, click connect and the device will restart automatically. You need to wait for the device to restart and re-enter the correct WiFi name and password
5. The device cannot be connected to 5G WiFi, only 2.4GWiFi can be connected
6. After entering the password, it can be saved automatically. Next time, the password can be displayed automatically by entering or selecting the corresponding WiFi name
7. When the device is connected to the cloud (check the WiFi icon of the device is always on), enter the correct WiFi name and password to switch the device to connect to WiFi (PS: this function is not available on some phones, please refer to special circumstances for details)
8. When the device is connected to the cloud (check the WiFi icon of the device is always on), and the WiFi name or password is incorrectly entered, the device will not restart, and manual restart is required; Or re-enter the correct WiFi name and password (PS: this function is not available on some phones, please refer to special circumstances for details)

SETTINGS / VERSION:

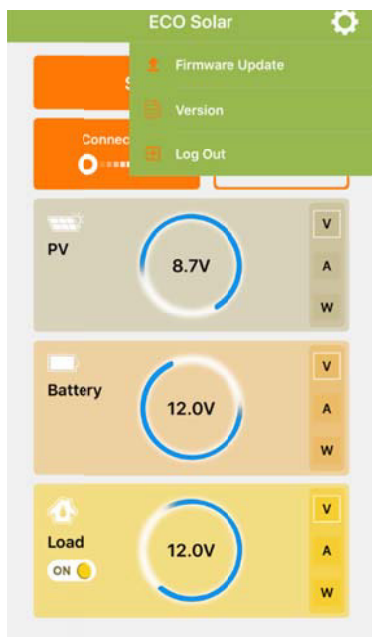


Android



iOS

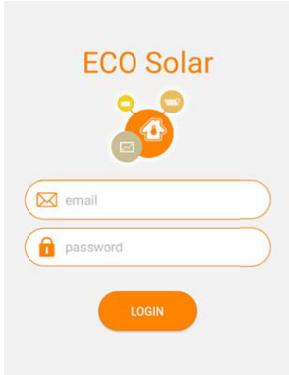
1. Click Device ID(Android)/Mac (iOS) to copy the Device address
2. You can check the latest version of the chip and the latest version of the APP



Log Out (Only iOS)

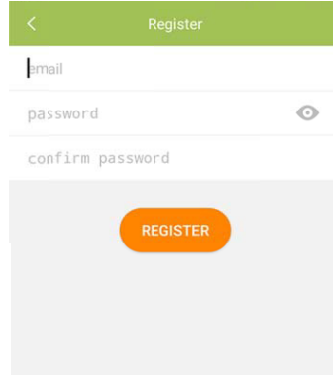
Click to exit to the main screen

CLOUD:



The Login Interface for ECO Solar features the company logo at the top. Below the logo are two input fields: one for 'email' with an envelope icon and one for 'password' with a lock icon. A green 'LOGIN' button is positioned at the bottom center of the interface.

Login Interface

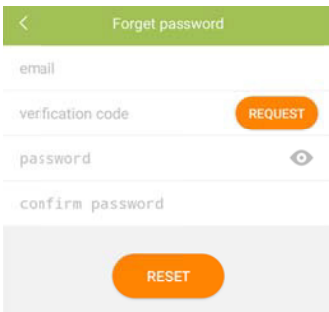


The Registration Form has a green header with a back arrow and the title 'Register'. It contains three input fields: 'email', 'password' (with a visibility toggle icon), and 'confirm password'. A prominent orange 'REGISTER' button is located at the bottom center.

Registration Form

Registration

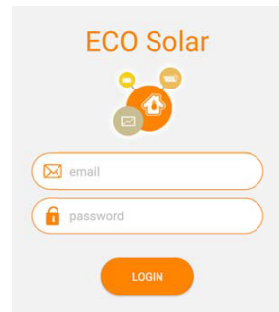
1. Click the registration button on the bottom right to enter the registration interface.
2. According to the prompt, enter the correct email address as the login account, and enter any password as the login password to register



The 'Forget password' interface has a green header with a back arrow and the title 'Forget password'. It includes four input fields: 'email', 'verification code' (with an orange 'REQUEST' button to its right), 'password' (with a visibility toggle icon), and 'confirm password'. A large orange 'RESET' button is at the bottom center.

Password Retrieval

Enter the correct login email address, verification code and modified password according to the prompt to modify the password. There are corresponding prompts for input errors

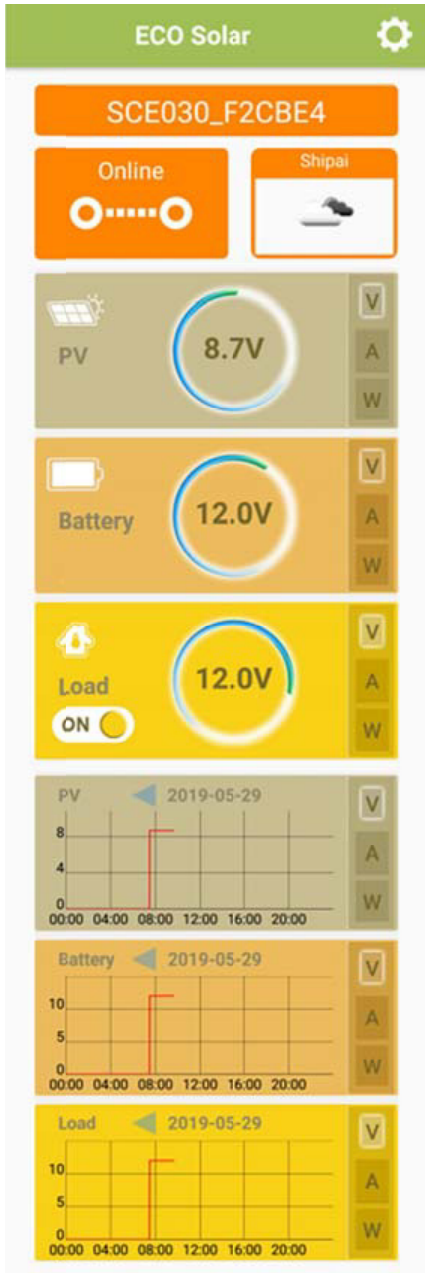


The Login interface is identical to the one shown in the 'Login Interface' section, featuring the ECO Solar logo, email and password input fields, and a green 'LOGIN' button.

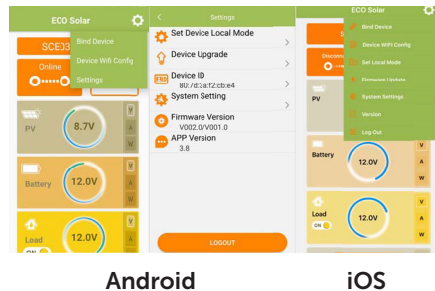
Login

Enter the correct account password to log in successfully, input errors have corresponding prompts.

CLOUD INTERFACE:

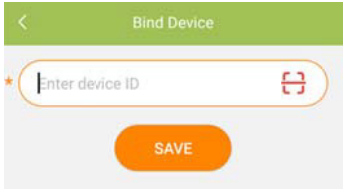


1. After login, bind the Device (Device can connect WiFi to enter cloud mode through Device WiFi Config). When the Device is online, the Device functions can be remotely controlled
2. After the device is online, click the OFF/ON switch to control the load switch
3. Click the left and right date button to view the latest date data; You can also click the date directly to select the corresponding date to view the data
4. UI differences between android and IOS (as shown below)



Android

iOS



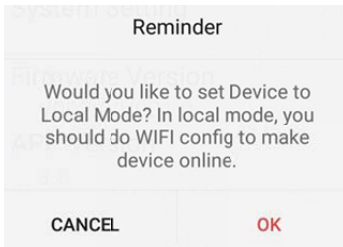
Bind Device

You can bind the device by directly entering or clicking the icon on the right to scan the qr code



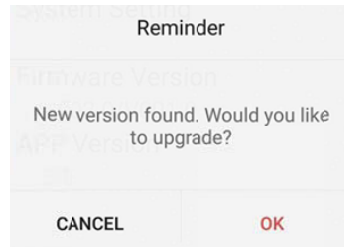
Device Wi-Fi Config

Device WiFi Config for local mode



Set Local Mode / Set Device Local Mode

Click and a prompt box will pop up. Click OK to set the device to local mode. Click CANCEL and it will do nothing.



Firmware Update / Device Upgrade

Click and a prompt box will pop up. Click OK and the device will be automatically updated to the latest version. Click CANCEL and it will do nothing.

SYSTEM SETTINGS:

The screenshot shows a mobile application interface for system settings. At the top, there is a green header with a back arrow and the text 'System Setting'. Below this, the settings are organized into sections:

- Battery Voltage:** 12V
- Battery Type:** Three radio button options: 'Lithium Battery', 'Lead-acid Battery', and 'High Capacity Lead-acid Battery' (which is selected).
- Timer:** A toggle switch is turned on. Below it are three radio button options: 'LO' (selected) with T1: 10 and T2: 35; 'LD' with T1: 03:00 and T2: 04:00; and 'TO' with T1: 05:00 and T2: 06:00.
- Low Voltage Protection:** A text input field containing the value '10.8'.
- Over Voltage Recovery:** A text input field containing the value '12.5'.

At the bottom of the screen is a large orange button labeled 'SAVE'.

1. Load voltage can be viewed, not selected and modified.
2. Select the appropriate Battery Type for the loaded Battery.
3. Turn on or off the switch to control whether the timer function is enabled; After opening the switch, you can select different time types and modify the time period to enable different timer functions.
4. When there is an error in modifying low-voltage protection data and overvoltage recovery data, the corresponding range prompt will pop up.

TROUBLESHOOTING:

1. Due to unstable bluetooth connection when the device is in cloud mode, some mobile phones cannot connect to the device via bluetooth.
2. The device is in the cloud mode. When WiFi connection is unavailable, restart the device and the device cannot be set to local mode. Please forcibly reset the device and reconnect to the new WiFi

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