Smart Life Quick-Start Guide

Download The App

Option 1: Scan the QR code below to be taken directly to the “Smart Life” download page (Apple and Android).
This QR code can also be found on the front of your device.

Option 2: Search for “**Smart Life**” on the Google Play Store (Android) or the App Store (iOS).

Pairing Your Device

If this is your first time using the controller, you'll first need to pair the controller with your phone using the Smart Life app.

1. Make sure Bluetooth and location services are enabled on your phone and that your solar controller is turned on.

2. From the app homepage, click the blue "+" icon in the top right corner of the screen and select "Add device".

3. Select the device to add once it shows up on your screen.

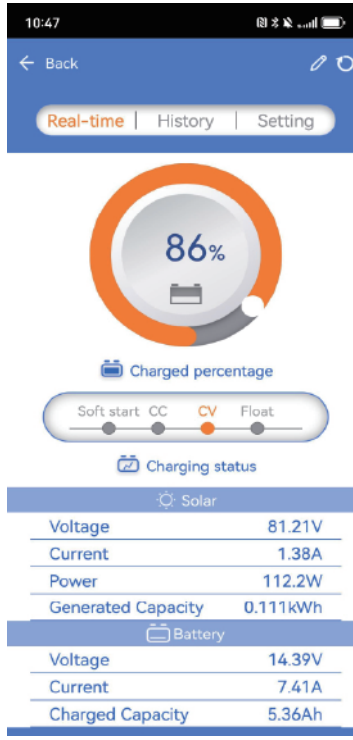
4. **NOTE:** If you wish to pair the controller with a new phone, please disable the original phone's Bluetooth service temporarily and unpair your original phone firstly; you have two methods to unpair your original phone, from app end to unpair your original phone: you just need to delete the already paired controller device list in **Smart Life** app; or from the solar controller end to unpair your original phone, you just need to make a reset with the solar controller: hold down the **PV and BATT** buttons for 10 seconds, until you see the Bluetooth symbol flashing on the display.

App Settings

To get to the Settings menu from the homepage, click the "Me" icon at the bottom right, then click the "Settings" Icon in the top right corner of the screen. From here, you can change the app language, system alarms, remotely update your device, etc.

App Operation

If this is your first time using the **Smart Life** app, you will be brought to the main screen shown below. There are three tabs **– Real-time, History, and Setting –** Each to be explained in the following sections.



— Real-time Tab:

From here, you can see the total battery charge percentage as well as which stage of charging the battery is in. Further explanation about each charging stage can be seen below.

Soft-Start: Low-current charging, used to gently recharge flat batteries without causing damage. 0~25%
CC: Constant Current or "Bulk" charging, used for most of the battery charge period. 25%~50%
CV: Constant Voltage or "Top-up" charging, when the charge rate slows down as the battery is nearly full. 50%~75%
Float: Float charging is a maintenance mode, designed to keep an already full battery charged properly without overcharging. 75%~100%
If solar power is lost (the sun sets, or the panel is manually disconnected), the system will display the battery's state of charge.

Charging Status – Solar shows the real-time properties of the system's solar panels (if connected):
Voltage – Solar panel output voltage
Current – Solar panel output current
Power – Solar panel output power (Voltage * Current)
Generated Capacity – Shows the total energy generated since sunrise each day.

Charging Status – Battery shows the real-time properties of the batteries (if connected):
Voltage – Displays battery voltage
Current – Displays battery charging current
Charged Capacity – Displays how much the battery has been charged each day.

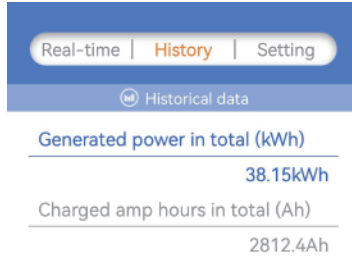
There are two additional tabs **– "History" and "Settings"** on the screen.

— History Tab

From here, you can see the total battery charge percentage as well as which stage of charging the battery is in. Further explanation about each charging stage can be seen below.

“Generated power in total” shows total solar energy generated since the system was installed (or since the last factory reset).
“Charged amp hour in total” shows the total battery charge the solar system has generated since the system was installed (or since the last factory reset).

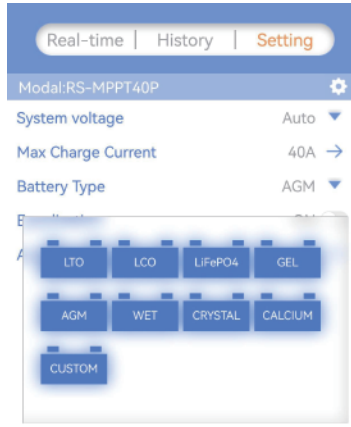
Below that are graphs showing history for the past 7 days, 30 days, and 12 months. Tapping either “Generated power in total” or “Charged amp hours in total” changes the metric being displayed on the graphs.



— Settings Tab

Here, you can adjust the battery charging settings and battery type, as well as perform a factory reset. All of these settings are explained below:

Battery Type: Used to select the chemistry of your battery. The app supports the following battery type templates, with the option to make your own custom template if necessary:



The other charging parameters automatically change to best suit the type of battery selected, so be sure to select the battery type first.

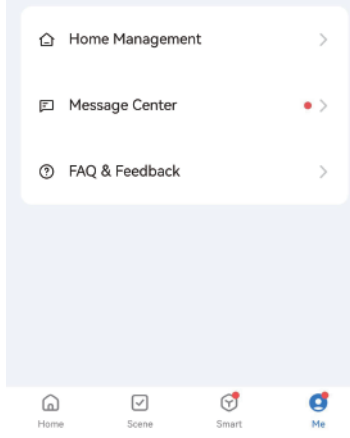
System Voltage: Nominal battery voltage of your system. Options **12V/24V/Auto**.
Max Charge Current: Places an upper limit on the charging current of a battery.
Equalization: A setting that desulfates flooded lead acid batteries by periodically overcharging them. Only available with “Wet”, “Calcium”, and “Custom” battery types, options **On/Off**.

Absorption Voltage: Sets a target voltage for the absorption/CV stage of battery charging.

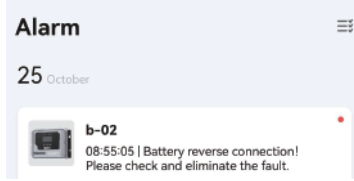
To reset your solar controller to its default settings and clear your charging history in the app, tap the **Factory data reset** icon at the bottom of the page.

Message Center

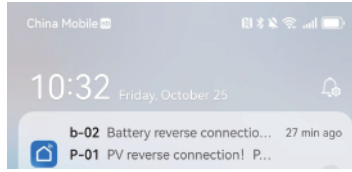
You can track any important errors or alarm information in the app's message center, or in your phone's notification bar.
To reach the message center from the app homepage:
• Tap the "**Me**" icon at the bottom right
• Tap "**Message Center**"



Below is an example of an alarm you might receive in the message center:



Smart Life is capable of sending push notifications to your phone, so any important alarms can also go to your phone's status bar.



For an extensive list of error codes, please refer to the error code table in the full user manual.