Solar Controller APP Instruction Manual

WiFi direct connection mode

File No:
Version: V1.0

Description: This app is currently only available for device clients such as Android phones.

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Appendix 1:..... 错误！未定义书签。

1. Description

This user guide shows you how to view or set up device data using the APP in Wifi mode.

2. Software installation and hardware connection

2.1 Software installation

First put the CD that comes with the controller into the CD-ROM drive of the computer, then open the CD and copy the APP software installation package to the Android system phone for installation (or the installation package provided by our relevant personnel);

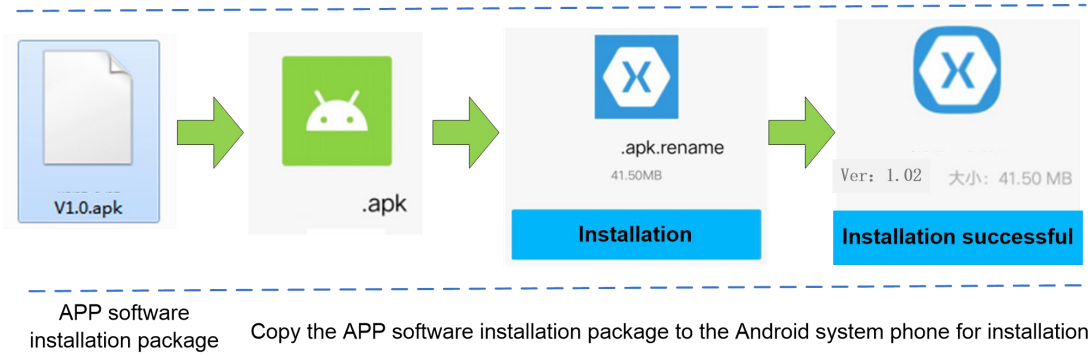


Figure 2-1 APP installation interface

Note: At present, the APP is only installed and used on electronic devices such as mobile phones of the Android operating system;

2.2 Hardware connection

Controller interface: using RJ45 interface (RS485 communication protocol):



Figure 2-2 Controller device RJ45 interface (RS485 communication protocol)

The controller device is connected through a dedicated network cable accessory and a WIFI module (or GPRS module) to implement WIFI mode (or GPRS mode) communication, and perform device operation status viewing and parameter setting;

2.3 Device and WiFi module connection

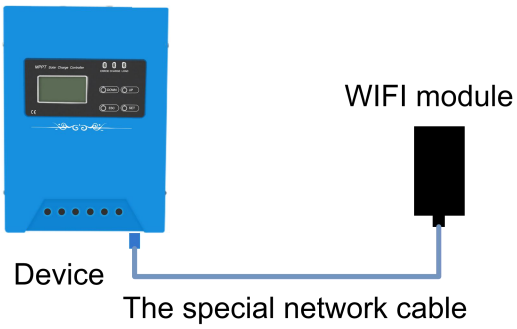


Figure 2-3 Connection diagram between the device and the WIFI module

Note: the special network cable crystal head blue sheath termination controller device, black sheath termination WIFI module.

Note:Network wire making Reference Appendix 1.

3. WiFi mode connection device

Open the APP. Click the setting icon in the upper right corner of the APP main interface to enter the “System Settings” interface (Figure3-1), and then click “Communication mode”, enter the “Communication Settings” interface (Figure 3-2). In this interface, the default is “Remote Management Mode” or GPRS mode. At this time, select “Site WiFi Mode”, then click “Set Live WiFi Mode” below it. Hotspots enter the settings interface of the mobile wireless WLAN (Figure 3-3), open the WLAN and find the device WiFi wireless hotspot selected, connect the hotspot communication.

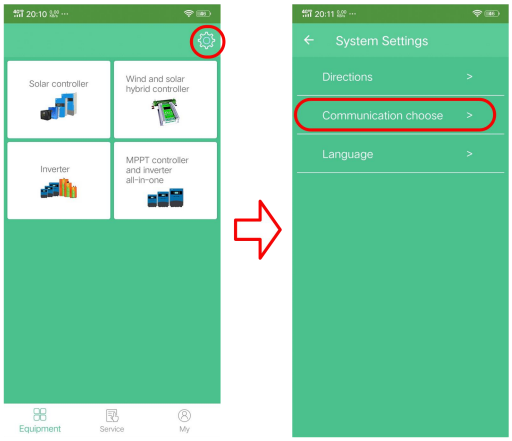


Figure 3-1 System Settings Interface

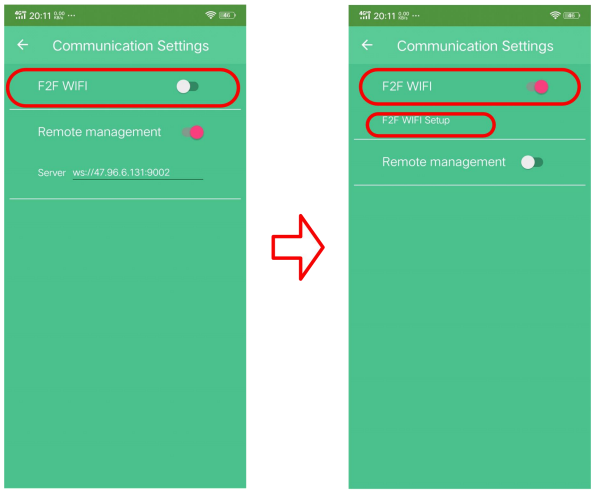


Figure 3-2 Communication Settings Interface

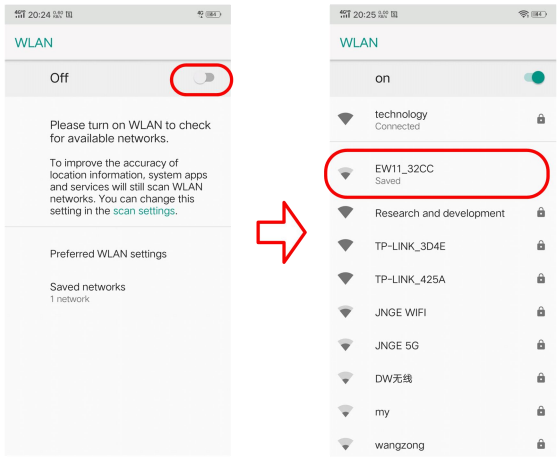


Figure 3-3 Settings interface of the mobile wireless WLAN

After connecting to the WiFi module hotspot, click to return to the main interface. According to the actual type of the device, select to enter the device list. At this time, the APP will automatically search for the connected device under WiFi and add it to the device list. Click on the device. You can enter the Device Details interface to view the real-time information, parameter information, and parameter settings of the device. When there are a large number of managed devices, choose to look only at the online devices or directly enter the device number to search.For details on how to view and set the device, refer to the “Viewing Devices” section below.

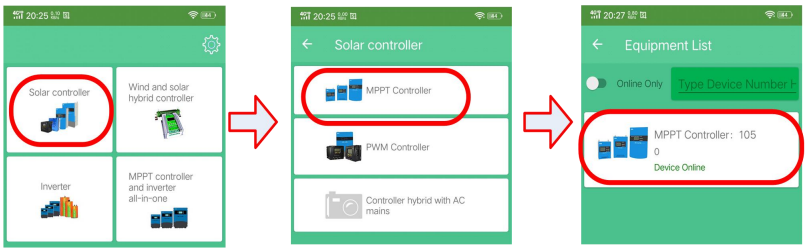


Figure 3-4 Solar controller in GPRS mode as an example

4. View device

In WiFi mode, when the device status in the device list is online, click and view the device details

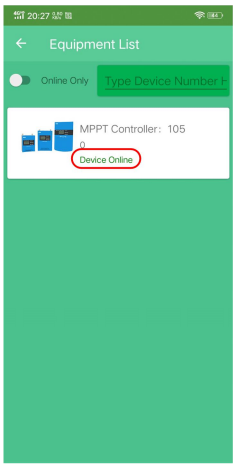


Figure 4 Device List

4.1 Viewing the running status of the device

Select any online device in the device list to enter the device details interface. The device details interface displays the “Run Status” tab by default, including “Charging Parameters”, “Load Parameters”, and “Device Parameters”. More" To view the above three parameters and other information, you can also control the "Charge Switching Machine" and "Load Switching Machine" through the above switches, and refresh the data by the pull-down operation in the parameter area below.

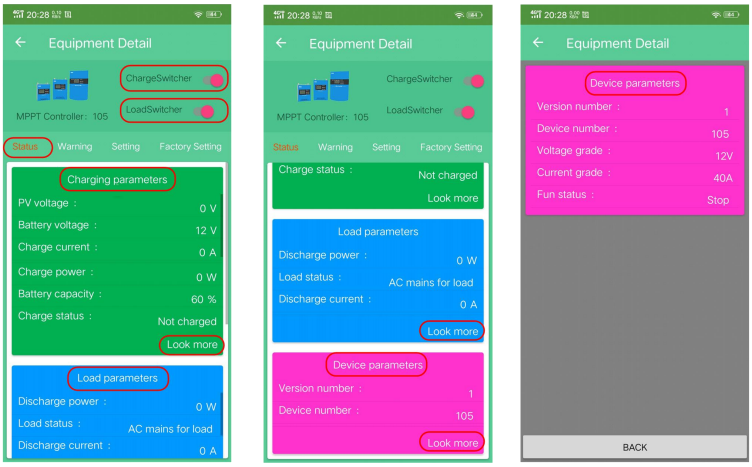


Figure 4-1 Device Details - Running Status

4.2 Viewing Device Alarm Information

Click the “Alarm Information” tab to view the real-time alarm information of the device. When the green circle after the alarm message turns red, it indicates an alarm. In the parameter area below, the data is refreshed by the pull-down operation.

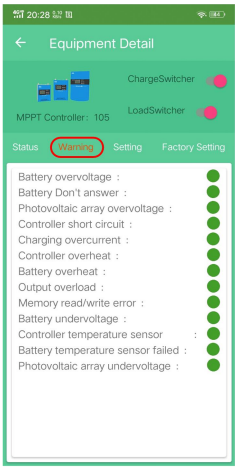


Figure 4-2 Device Details - Alarm Information

4.3 View battery parameters

Click the “Battery Parameters” tab to view the battery parameter setting information of the device. Click the “Restore Factory Settings” button at the bottom of the interface to restore the battery parameter settings of the controller to the factory state, and pull down the operation in the parameter area below. To refresh the data.

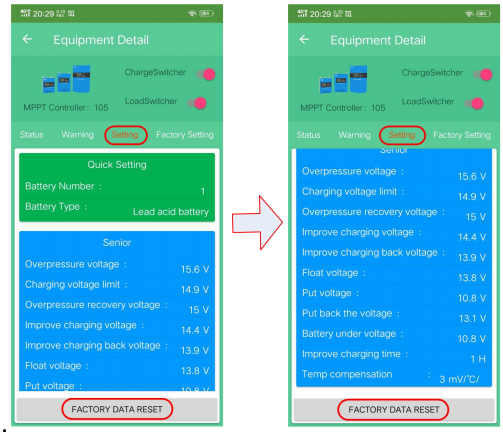


Figure 4-3 Device Details - Battery Parameters

4.4 Viewing Load Parameters

Click the “Load Parameters” tab to view the load parameter setting information of the device. Click the “Restore Factory Settings” button at the bottom of the interface to restore the controller's load parameter settings to the factory state, and pull down the operation in the parameter area below. To refresh the data

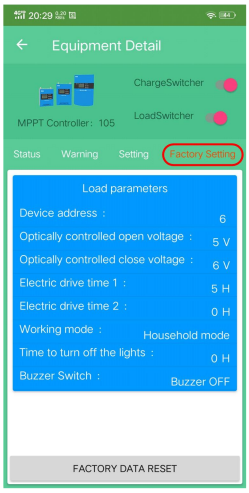


Figure 4-4 Device Details - Load Parameters

4.5 parameter setting

The "battery parameter" and "load parameter" settings can be made in the device details interface; “Quick Settings”: The default power-on of the device is the number of lead-acid batteries and the corresponding number of strings. To use other types of batteries, you need to reset the battery type and the corresponding number of strings.
“Advanced Settings”: Here is an example of setting “overvoltage voltage”. First enter the “Battery Parameters” interface, click on the “Overvoltage Voltage” line in the interface, open the “Parameter Settings” interface, and the “Overvoltage Voltage” parameter value. Enter the set value, such as "15", click the "Save Settings" button, automatically return to the "battery parameter" interface, the "overvoltage" parameter has been set to save to 15V, if the set value is not displayed, please refresh the view, if After the refresh, the parameters have not changed. Please re-set the parameters again. The other parameters are similar.

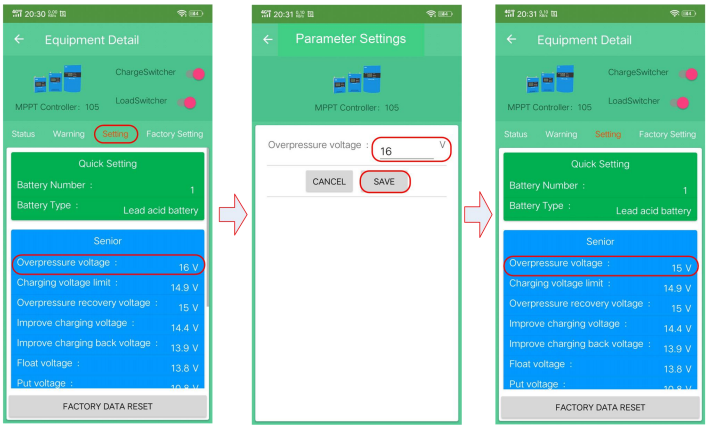


Figure 4-5 Parameter setting - overvoltage voltage setting

5. Chinese and English switching

Click the setting icon in the upper right corner of the APP homepage to enter the “System Settings” interface. Click “Language” in this interface to enter the language switching interface, select English or Simplified Chinese, and switch the interface to English or Chinese.

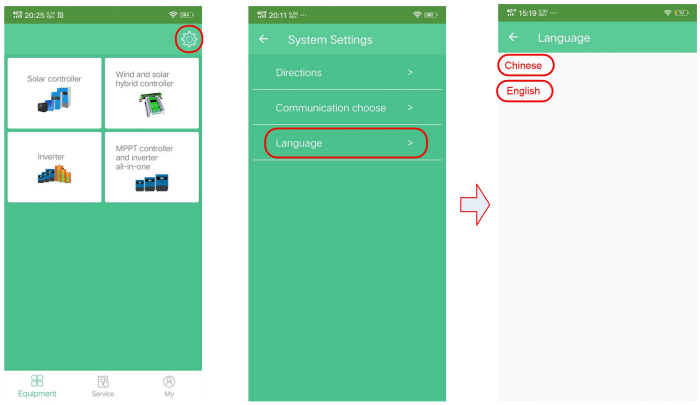


Figure 5-1 Chinese and English display switching