

Bluetooth App Instructions V1.1.1 (Android)

(Suitable for

Win300-NBT Series

Win500-MPPT Series

SMR MPPT1050-BT Series

MT,MC-BT Series

Solar Charge Controller)

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Contents

1. User manual for Android 1

 1.1 Installing 1

 1.2 Connection..... 1

 1.3 Home Page..... 1

2. Real Time Monitoring 2

 2.1 PV 2

 2.2 Battery 3

 2.3 Load 4

3. Parameters Setting 5

 3.1 Device parameters 5

 3.2 Battery param..... 5

 3.3 Load param 6

4. Other Actions 9

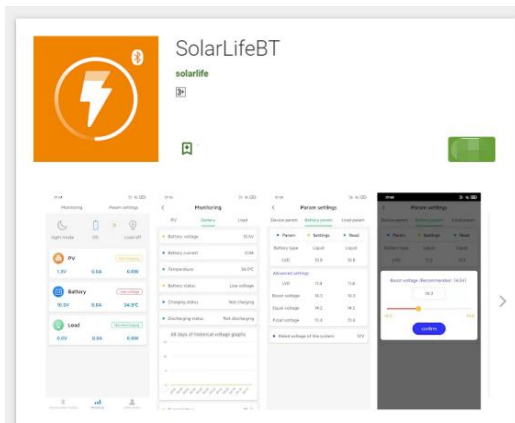
 4.1 Device Password..... 9

 4.2 Other operations..... 9

1. User manual for Android

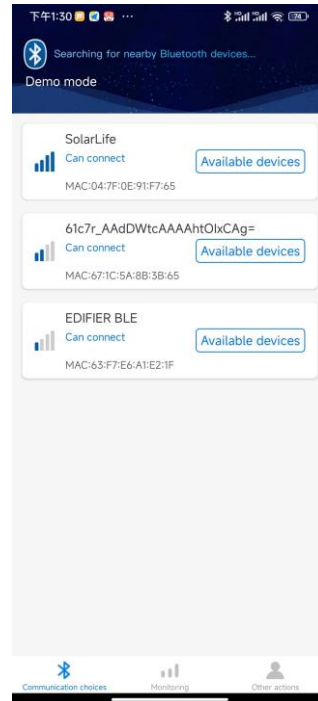
1.1 Installing

Search "Solarlife BT" in the Google Play. If you can't find it, please contact the sales staff in time.



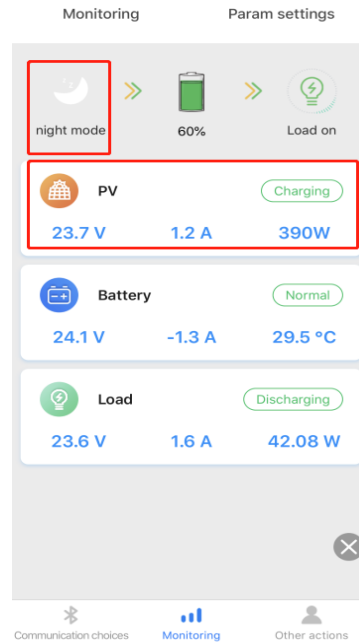
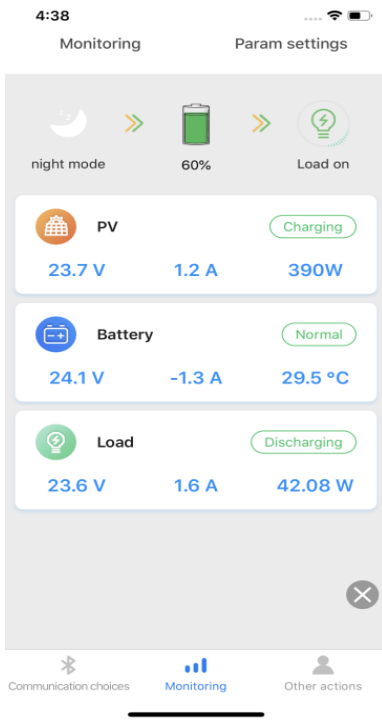
1.2 Connection

Open the APP and mobile phone Bluetooth. The mobile phone automatically searches for Bluetooth devices and matches the search results. After the matching is successful, it will be displayed on the currently connected device.



1.3 Home Page

After successful device connection you will be automatically transferred to below displayed page. The device's name is shown on the top of the phone screen. The actual values for the PV, Load and Battery circuits are presented.

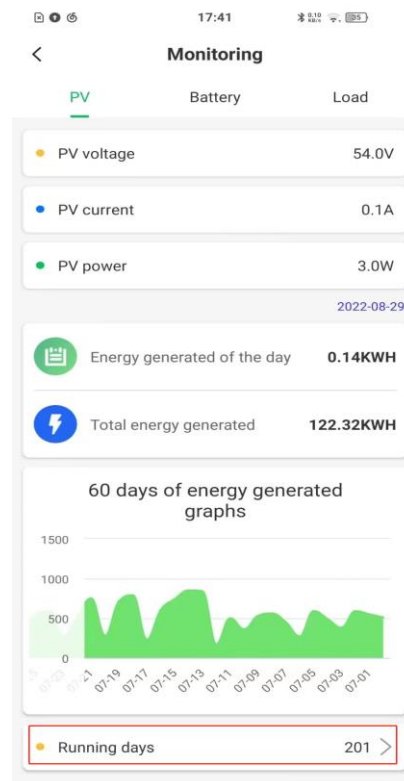


2. Real Time Monitoring

2.1 PV

Step 1: On this page, you can visualize the PV working mode(Night or Daytime), charging status, as well as the parameters of current, voltage and power. You can pull down to update.

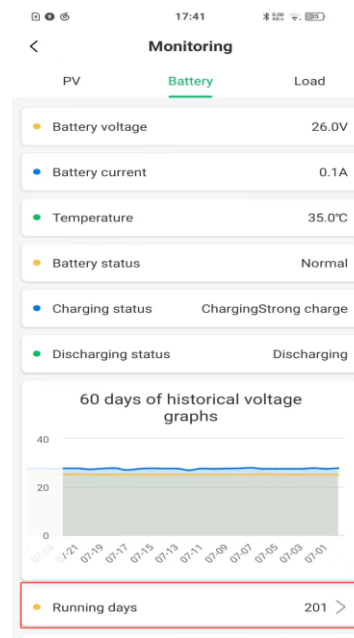
Step 2: Click “**PV**”, to access the page of PV details. On this page you can read PV voltage, PV current, PV power, charging energy today, total charging energy as well as energy generated graphs of 60 days.



Step 3: Click **“Running days”** to retrieve daily power information (in Wh).

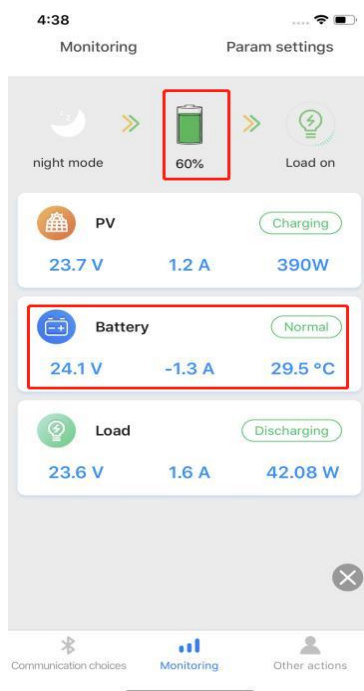
Device time	Energy generated of the day
08-28	490.0WH
08-27	970.0WH
08-26	1050.0WH
08-25	300.0WH
08-24	1060.0WH
08-23	1070.0WH
08-22	270.0WH
08-21	1070.0WH
08-20	910.0WH
08-19	270.0WH
08-18	1080.0WH
08-17	1020.0WH
08-16	890.0WH
08-15	900.0WH
08-14	870.0WH

Step 2: Click **“Battery”** to check highest and lowest historical voltage graphs of 60 days.



2.2 Battery

Step 1: This will display the battery’s capacity, voltage and current as well as temperature.



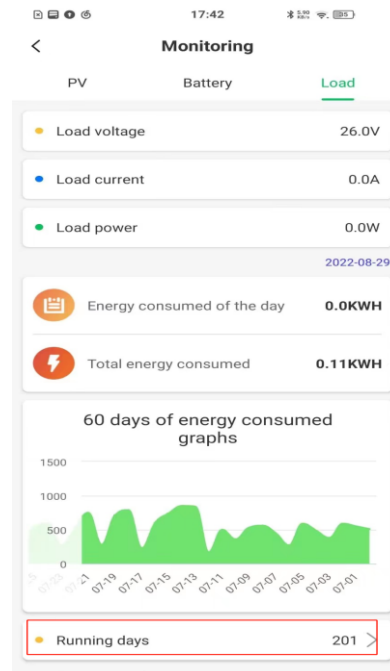
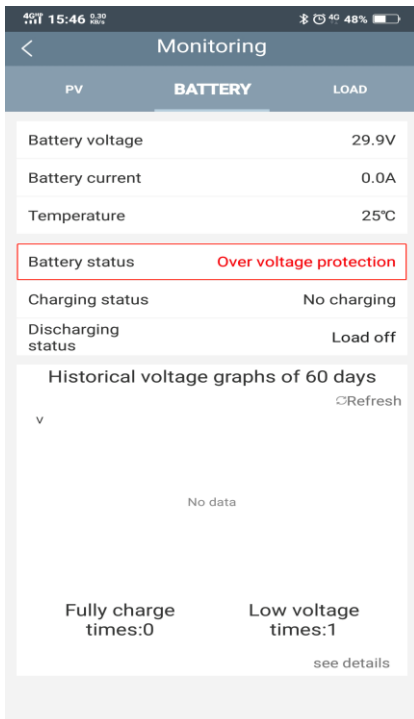
Step 3: Click **“Running days”** to access the date and corresponding data.

Device time	Minimum voltage	Maximun voltage
08-28	25.1V	27.7V
08-27	25.1V	27.6V
08-26	25.1V	27.6V
08-25	25.1V	27.4V
08-24	25.1V	27.6V
08-23	25.1V	27.6V
08-22	25.1V	26.7V
08-21	25.1V	27.7V
08-20	25.1V	27.7V
08-19	25.0V	27.0V
08-18	25.1V	27.5V
08-17	25.1V	27.6V
08-16	25.1V	27.7V
08-15	25.1V	27.5V
08-14	25.1V	27.5V
08-13	25.1V	27.5V
08-12	25.1V	26.9V
08-11	25.1V	26.7V
08-10	25.1V	26.7V
08-09	25.0V	27.0V
08-08	25.1V	27.6V

Step 4: Should there be problems with indications on PV, battery or load, an alarm message will be presented red color in the **“Battery status”** line.

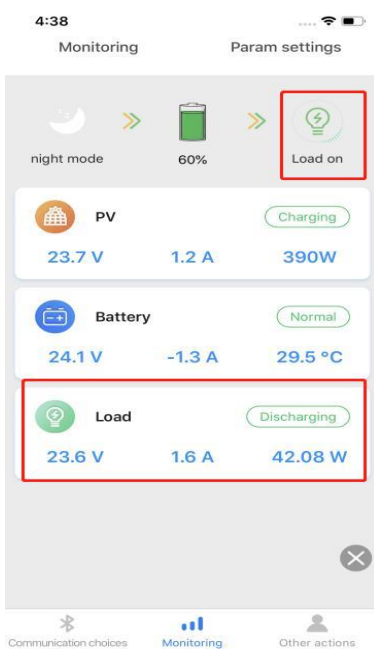
Bluetooth App Instructions V1.1.1

Step 2: Click **“Load”**, transfer to the details page of load. Showing energy consumed graphs of 60 days..



2.3 Load

Step 1: In the Monitoring page, the load symbol lights up to confirm that the load is connected. Should this symbol be dark, than Load is disconnected. The load discharge status, as well as the load voltage, current and power are all presented.



Step 3: Click **“Running days”** to check the power and the corresponding data.

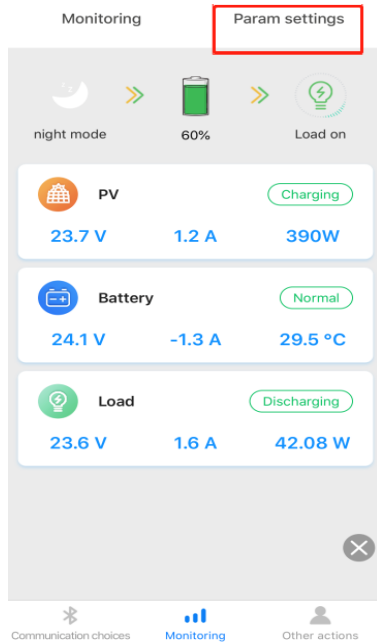
The screenshot shows the 'History' page with a table of device time and energy consumed. The table is as follows:

Device time	Energy consumed of the day
08-28	490.0WH
08-27	970.0WH
08-26	1050.0WH
08-25	300.0WH
08-24	1060.0WH
08-23	1070.0WH
08-22	270.0WH
08-21	1070.0WH
08-20	910.0WH
08-19	270.0WH
08-18	1080.0WH
08-17	1020.0WH
08-16	890.0WH
08-15	900.0WH
08-14	870.0WH
08-13	470.0WH

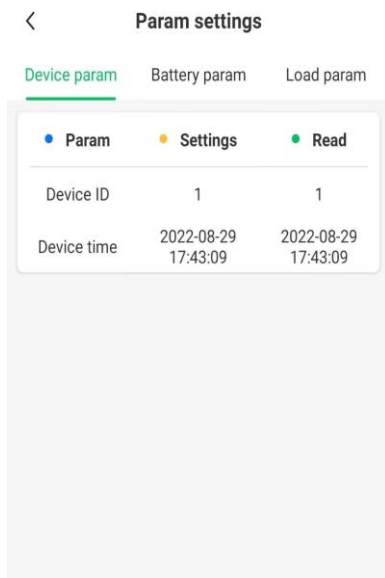
3. Parameters Setting

3.1 Device parameters

Step 1: To enter the Parameters Setting page, click **“Device Parameters”**.

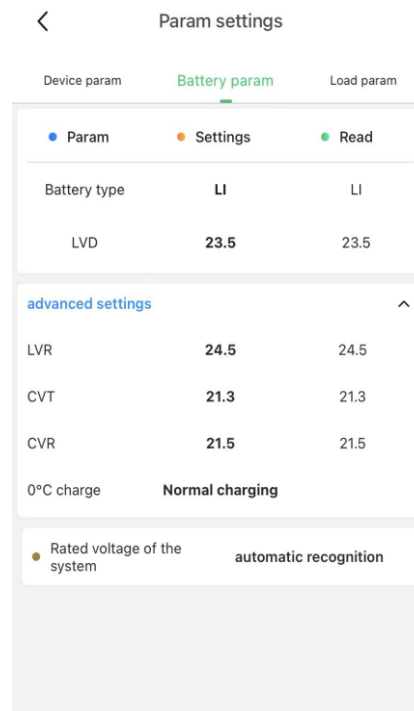


Step 2: Enter Device Parameters page and the current device parameters information will be displayed in **“Read”**.

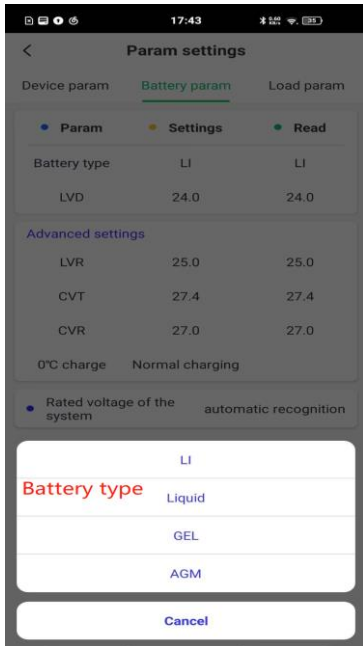


3.2 Battery param

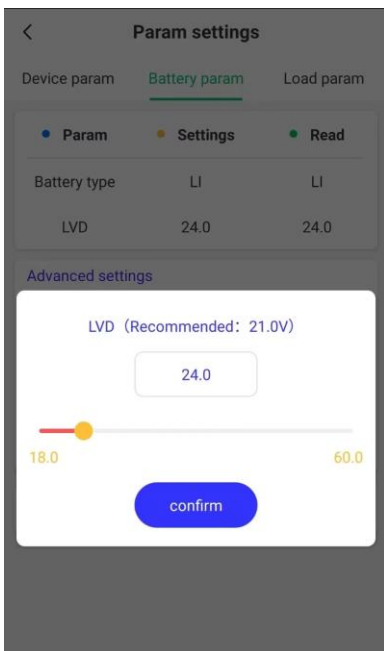
Step 1: Enter the **“BATTERY SETTINGS”** page, and then click on the **“BATTERY PARAM”**



Step 2: The battery type includes lithium, Liquid, GEL and AGM battery. Liquid, GEL and AGM battery types and rated voltage levels are optional.

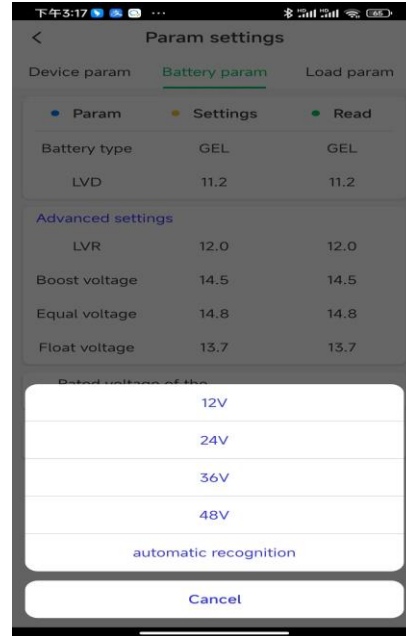


Step 3: You can set the Low Voltage Disconnect(LVD) by click on the settings



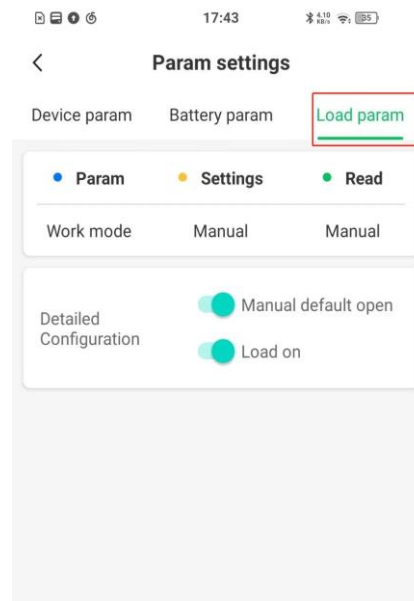
Step 4: Relationship between rated voltage level and real voltage: When the rated voltage level is auto-identified, the real voltage indicated will be a value in the range of the current equipment level. When the identified level is 12Vdc, the effective real voltage indicated will be a value in the range of 12Vdc. When the identified voltage level is 24Vdc, the effective real voltage indicated will be a value in the

range of twice of 12Vdc. (The corresponding Day/Night threshold voltage will also be twice of that used for 12Vdc).



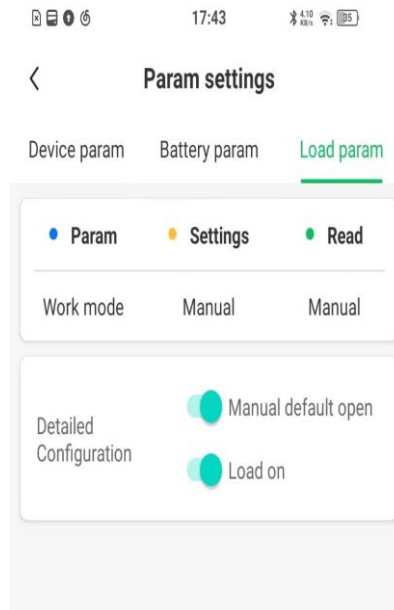
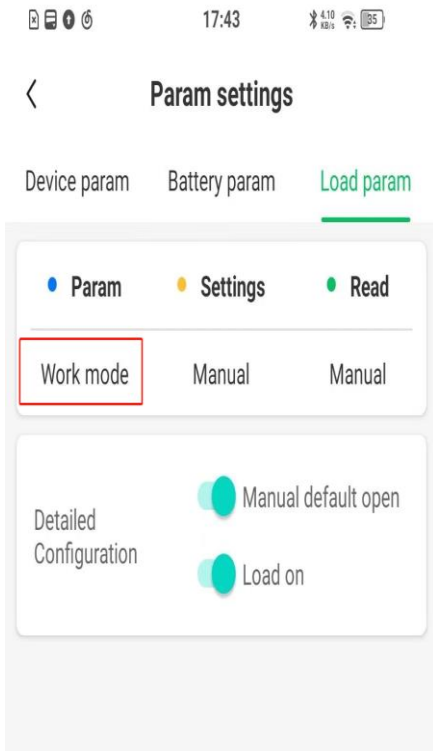
3.3 Load param

Step 1: Enter the “PARAM SETTINGS” page, and click on the “LOAD PARAM”.



Step 2: Click “work mode” to select the

working mode (the option is determined by the actual device).



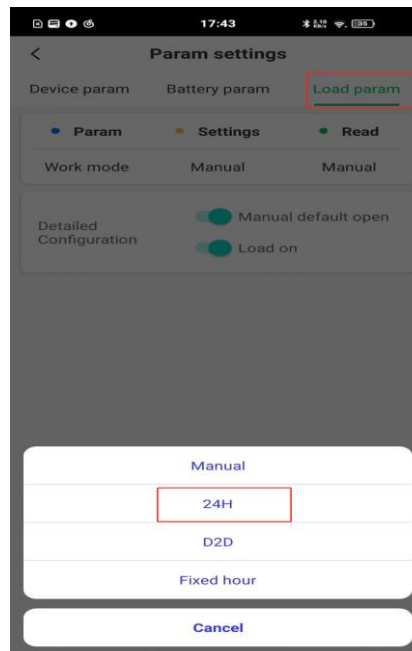
Step 4: Work mode - 24H, the load is always on mode.

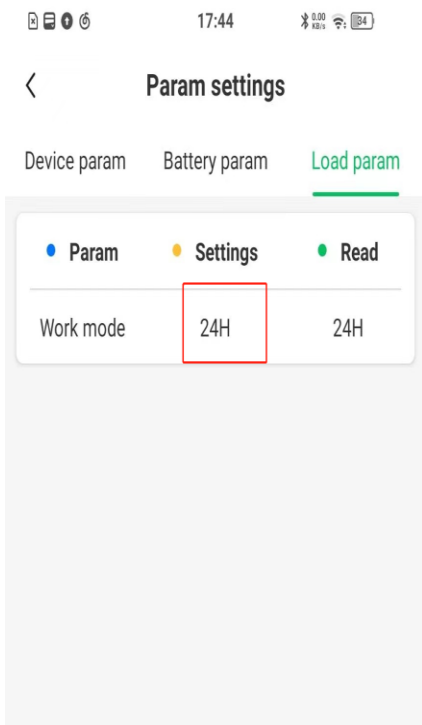
Step 3: Load mode - manual mode.

‘Manual default ON’, when the device is turned on, the load is open.

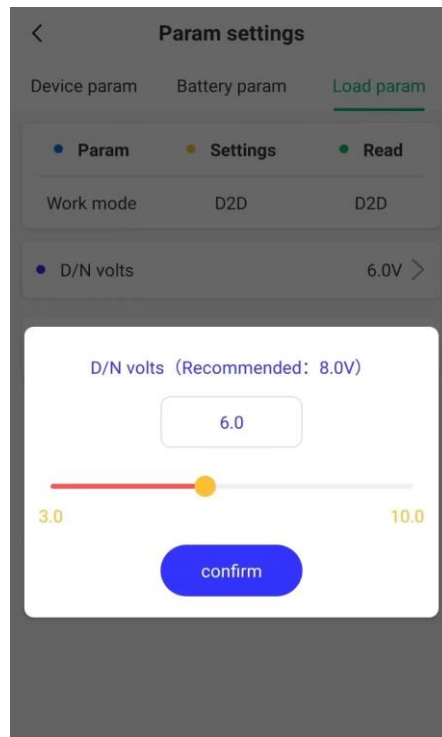
‘Manual default OFF’, when the device is turned on, the load is close.

The second soft key can open the load manually (by clicking on it).

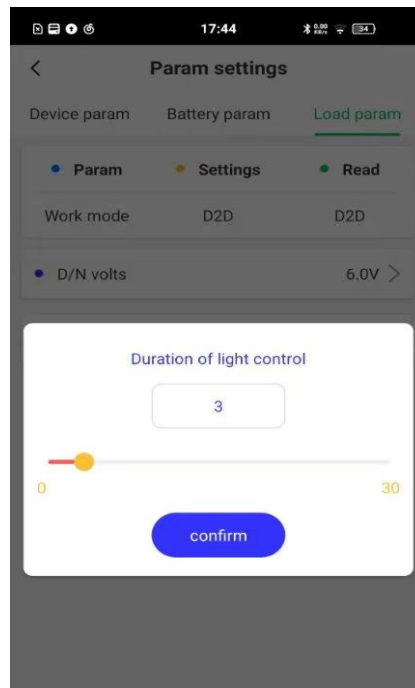
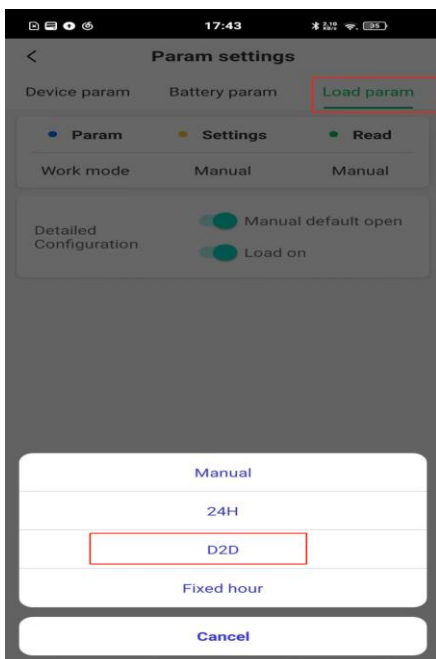


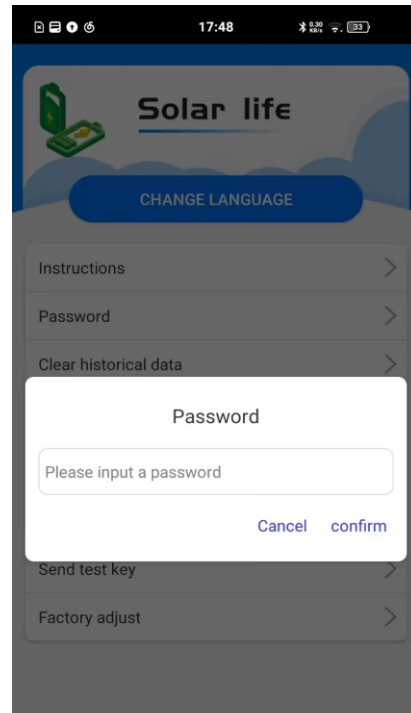
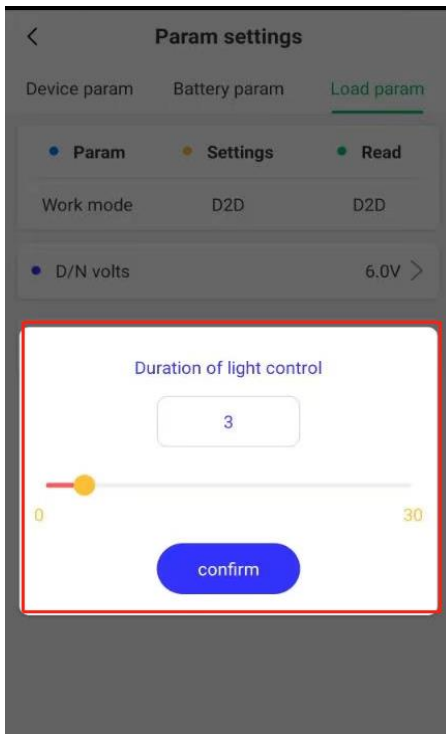


Step 5: Work mode - D2D (Dusk to Dawn, mostly for use with solar street lamps), slide to setup D/N voltage, D/N delay range is 0-30Min.



Step 6: Work Mode - *Fixed lighting hours*. It can set the light on time, Day/Night Threshold voltage and Day/Night delay time.





4. Other Actions

4.1 Device Password

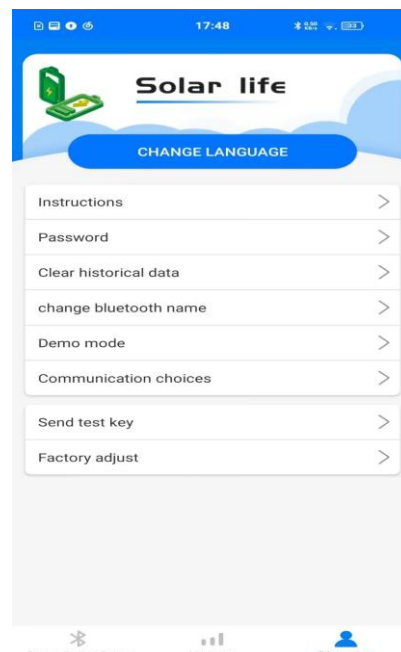
Click on the **"device password"** to set a password for the device.

Note: After setting the password, when entering the App for sending a first time instructions, a password will be required.

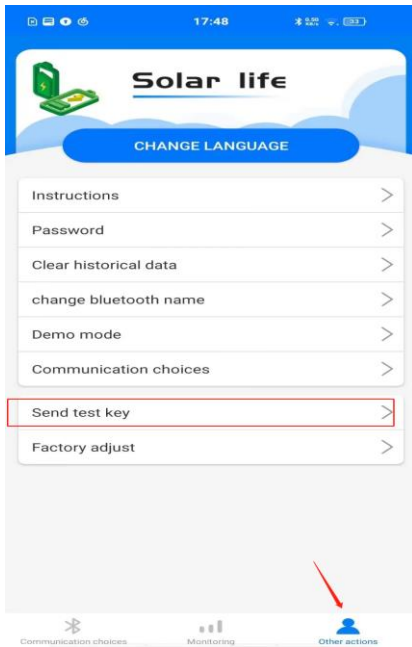
Password format: 4 digits

4.2 Other operations

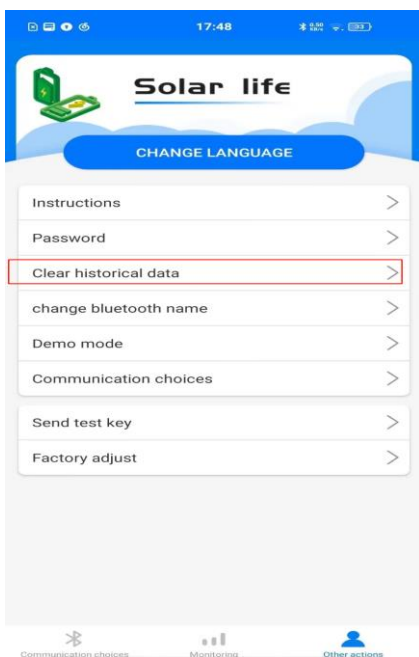
Step 1: You can send test button, clear historical data, parameters recovery to factory default and so on. When sending out data though App for a first time will require that a password must be entered first..



Step 2: Click the "Send Test key" button to open the load when conditions permit (the load is not in the protection state).



Step 3: Click "Clear Historical Data". If the password has been set and it is the first time to send parameters after entering the APP, you need to enter the password to operate



Step 4: Click "Restore parameters to factory settings". If the password has been set and it is the first time to send parameters after entering the APP, you need to enter the password to operate.

