

USER MANUAL

APEX 2600 LFP Battery



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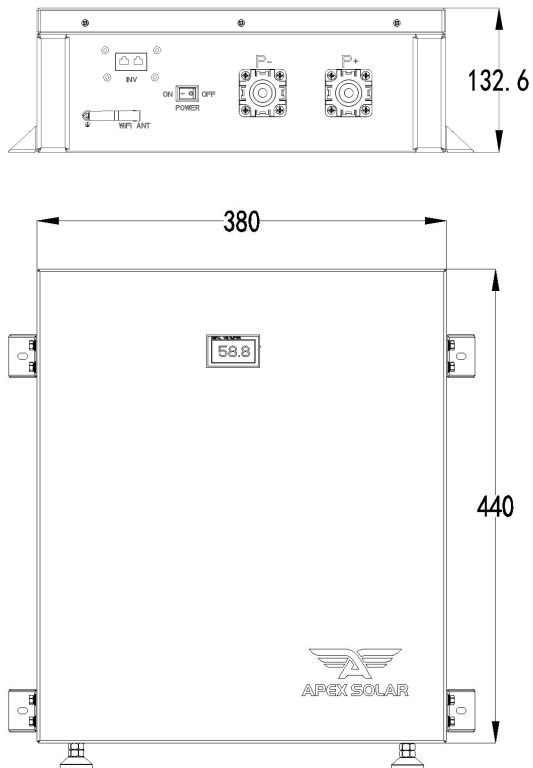
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1 Product Overview

APEX 2600 can be floor mounted, or wall mounted.

APEX 2600 is not suitable for life-sustaining medical devices.

1.1 Appearance



1.2 Button& Communication Port

1.2.1 Switch ON/OFF

1、Switch ON

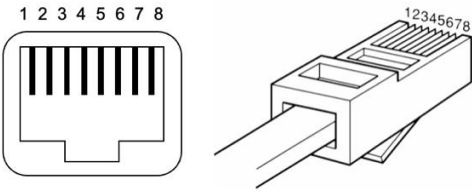
For APEX 2600, switch ON POWER button

2、Switch OFF

Switch OFF all POWER button(s).

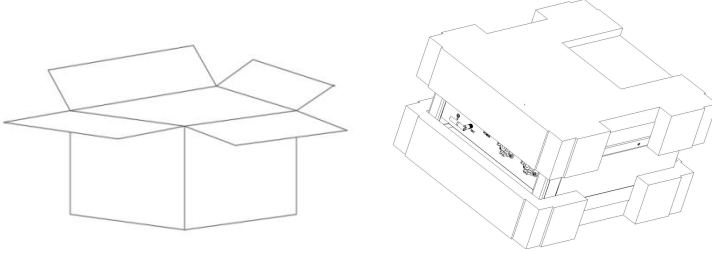
1.2.2 Communication Port Pin Definition


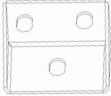


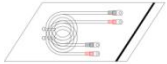
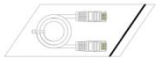
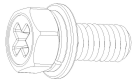
1、INV

Port definitions	RJ45 Pin	Function
	1	RS485-B
	2	RS485-A
	3	NC
	4	NC
	5	NC
	6	NC
	7	NC
	8	NC

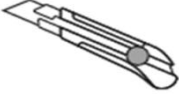

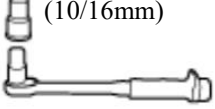



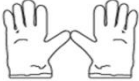


2 Installation Guide

2.1 Checking Deliverables



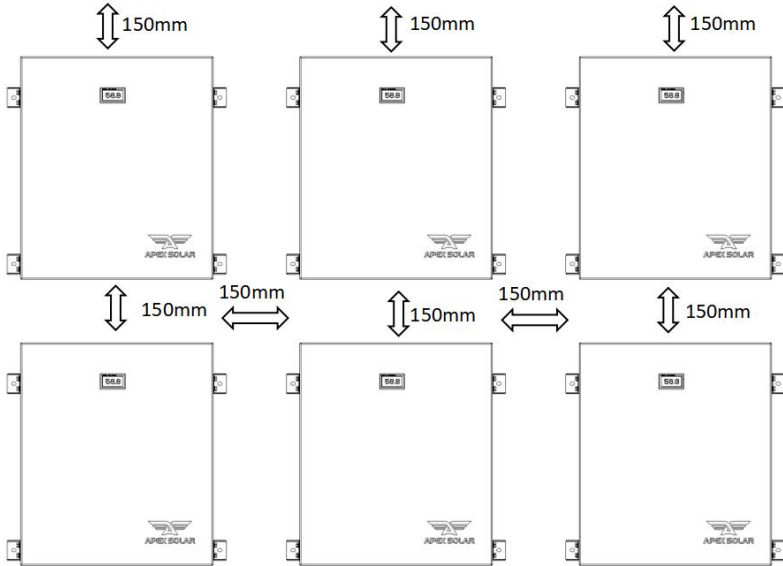
NO.	Pictures	Quantity	Description
1		1 pc	Battery
2		4 pcs	Wall Mount
3		4 pcs	Expansion Bolt
4		1 pc	User Manual
5		1 pair	Power cable
6		1 pc	Comm cable
7		8 pcs	Wall Mount set screws

2.2 Tools

Installation Tools	Knife 	Measuring Tape 	Socket Wrench (10/16mm) 
	Hammer 	Cross Screwdriver 	Hammer Drill 
Protection Tools	ESD Gloves 	Safety Goggles 	Safety Shoes 

2.3 Installation Instructions

Minimum mounting distance requirement: (Wall Mounted)



2.3.1 Installation Step (Floor Mounted)

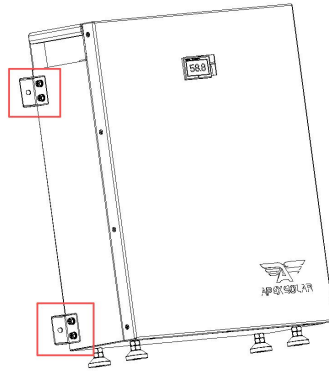
Step 1

put APEX 2600 on floor.

2.3.2 Installation Step (Wall Mounted)

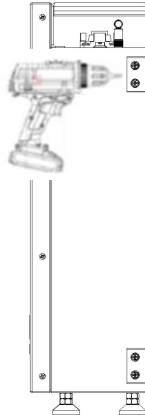
Step 1

Attach the wall mount to the battery



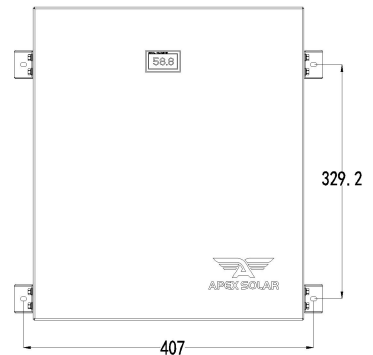
Step 2

Drill holes in the wall according to wall mount.



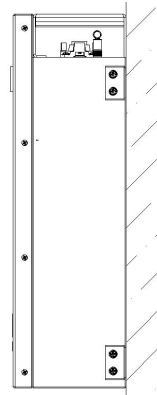
Step 3

Fix wall mount to the wall using expansion bolt.



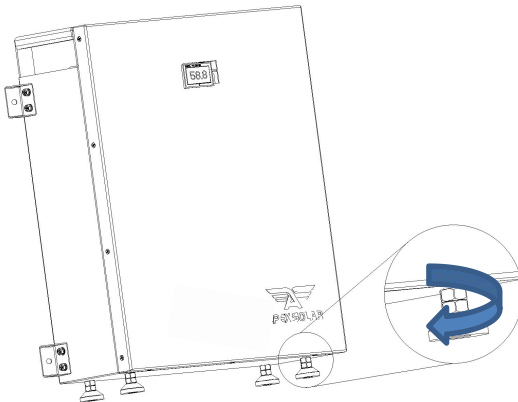
Step 4

Hang APEX 2600 battery on wall mount.

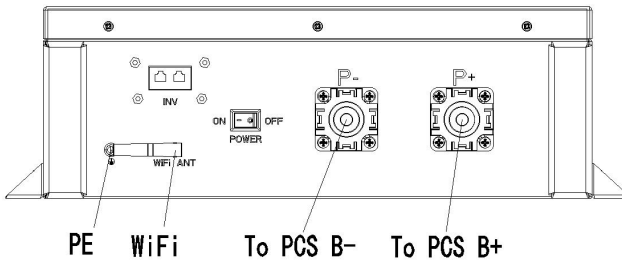


Step 5

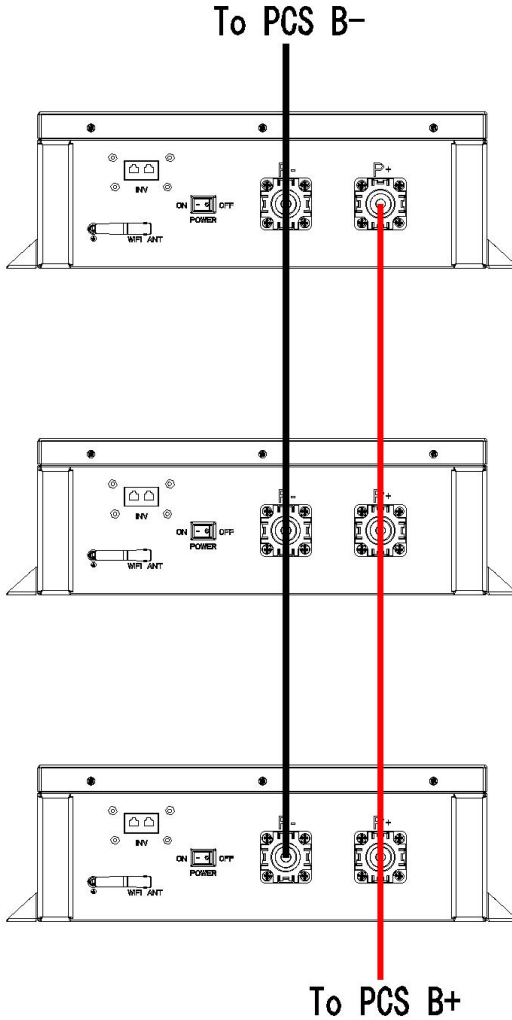
remove levelling feet.



Step 6 Connect PE cable & power cable.



Step 7 Refer to the following diagram when multiple batteries are connected in parallel:



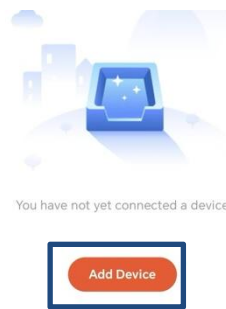
3 Bluetooth and Wi-Fi Function

3.1 Bluetooth

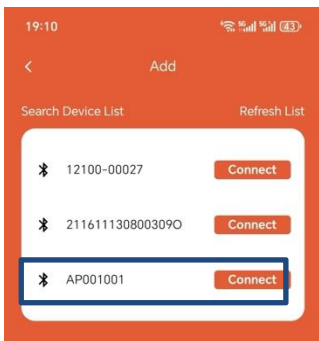
1. Turn on Bluetooth function on your phone, open “APEX SOLAR” APP, tap “BLE”



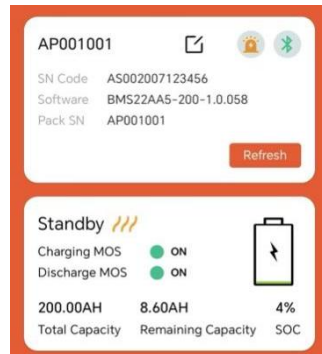
2. Tap “Add Device”



3. Select your APEX SOLAR device and connect

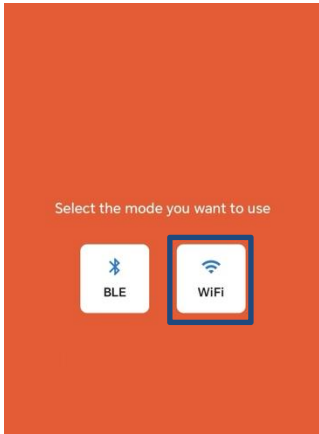


4. Check APEX SOLAR battery info on your phone

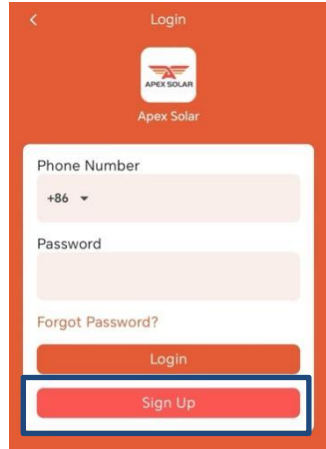


3.2 Wi-Fi

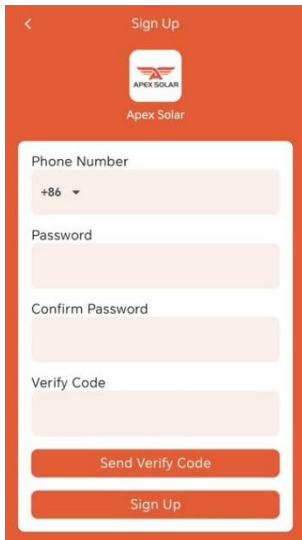
1) Connect your phone to Wi-Fi, open “APEX SOLAR” APP, tap “WiFi”



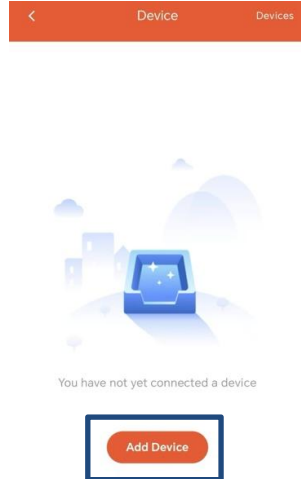
2) Tap “Sign Up”



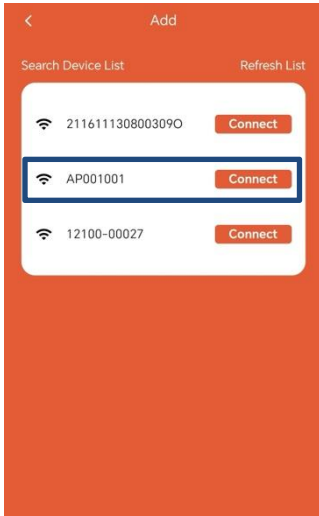
3) Create your account and login



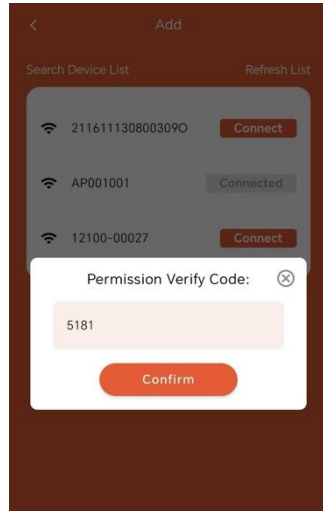
4) Tap “Add Device”



5) select your APEX SOLAR device and connect



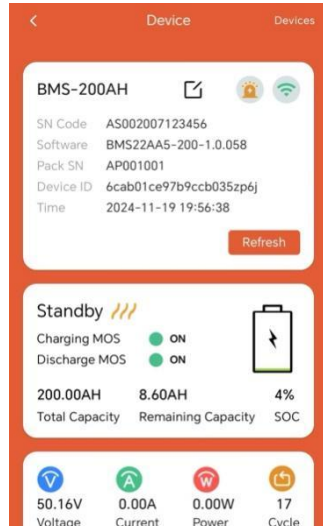
6) Permission code 5181



7) Confirm your WiFi Name and enter your WiFi password



8) Check APEX SOLAR battery info on your phone



4 Maintenance

4.1 Recharge Requirements During Storage

Batteries should be stored in temperature between $-10^{\circ}\text{C} \sim +45^{\circ}\text{C}$, and recharged regularly according to the following table with 0.2C (20A) current to 50% SOC after long time storage.

Recharge requirement during storage

Storage Temperature	Storage Relative Humidity	Storage Time	SOC
Below -10°C	/	Not Allowed	/
$-10\sim 25^{\circ}\text{C}$	5%~70%	≤ 12 months	$30\% \leq \text{SOC} \leq 60\%$
$25\sim 35^{\circ}\text{C}$	5%~70%	≤ 6 months	$30\% \leq \text{SOC} \leq 60\%$
$35\sim 45^{\circ}\text{C}$	5%~70%	≤ 3 months	$30\% \leq \text{SOC} \leq 60\%$
Above 45°C	/	Not Allowed	/

4.2 Recharge Requirements When Over Discharged

Please recharge over discharged ($>90\%$ DOD) batteries according to the following table, otherwise over discharged battery will be damaged.

Recharge requirement when battery is over discharged

Storage Temperature	Storage Time	Note
$-10\sim 25^{\circ}\text{C}$	≤ 15 days	Battery disconnected from PCS
$25\sim 45^{\circ}\text{C}$	≤ 7 days	
$-10\sim 45^{\circ}\text{C}$	< 12 hours	Battery connected to PCS