

Quick Installation Guide

LiFePO4 Battery System for Households



358-030010-00

Disclaimer

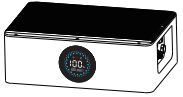
- Please read the user's manual carefully before performing all operations; this installation guide does not supersede the use of the product's user's manual;
- Product information is subject to change without notice. This manual is frequently updated, please contact your salesperson for the latest version.
- After unpacking, please check the product for damages and missing parts.
- Do not open the battery to repair or disassemble. Only Felicitysolar is allowed to carry out any such repairs. Only qualified personnel can install this device with battery.
- In case of fire, use only dry powder fire extinguisher. Liquid extinguishers should not be used.
- Before using the battery, please read the instructions and warning signs of the battery and corresponding sections in the instruction manual. Improper reassembly may result in electric shock or fire.
- To reduce risk of electric shock, disconnect all wires before attempting any maintenance or cleaning. Turning off the unit will not reduce this risk.
- Never charge a frozen battery.
- Be very cautious when working with metal tools on or around batteries. Dropping a tool may cause a spark or short circuit in batteries or other electrical parts, even cause an explosion.
- Install the battery away from children or pets.
- Do not use battery in high static environment where the protection device might be damaged.
- Battery should be installed indoor and kept away from water, high temperature mechanical force and flames.
- Do not install the battery in any environment of temperature below 0°C or over 55°C, and humidity over 80%.

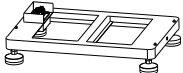
Installation Video

You can watch the installation video by scanning the QR code to the right

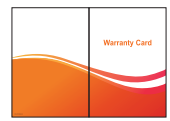


Packing List

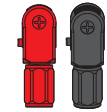
1
Control box×1

2
Pedestal×1

3
User Manual ×1

4
Warranty card×1

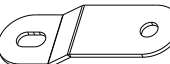
5
Quick installation Guide×1

6
Terminal ×2

7
Communication Cable ×1

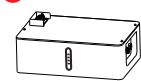
8
Power Cable ×2

9
Signal Terminal ×2

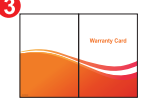
10
Bracket ×1

FLS48050SCG1			
NO.	Name	Description	Quantity
1	Control box	2.56kWh Control box	1

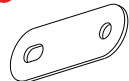
2	Pedestal	Pedestal	1
3	User manual	User manual	1
4	Warranty card	Warranty card	1
5	Quick installation Guide	Quick installation Guide	1
6	Terminal	In actual use, if the cable diameter is not appropriate, the customer needs to prepare the corresponding power cable and crimp the terminal before use. The cable diameter of the terminal is 16mm²	2
7	Communication Cable	Used for communication with other brands of RS485	1
8	Power Cable	0.9 meters, 25mm², allows for charging and discharging up to 125A, used for connecting to external PCS.	2
9	Signal Terminal	Used for creating custom communication cables.	2
10	Fix the bracket	Fix the bracket	1

1
Battery Box ×1

2
User manual×1

3
Warranty card×1

4
Quick installation Guide×1

5
Bracket×1

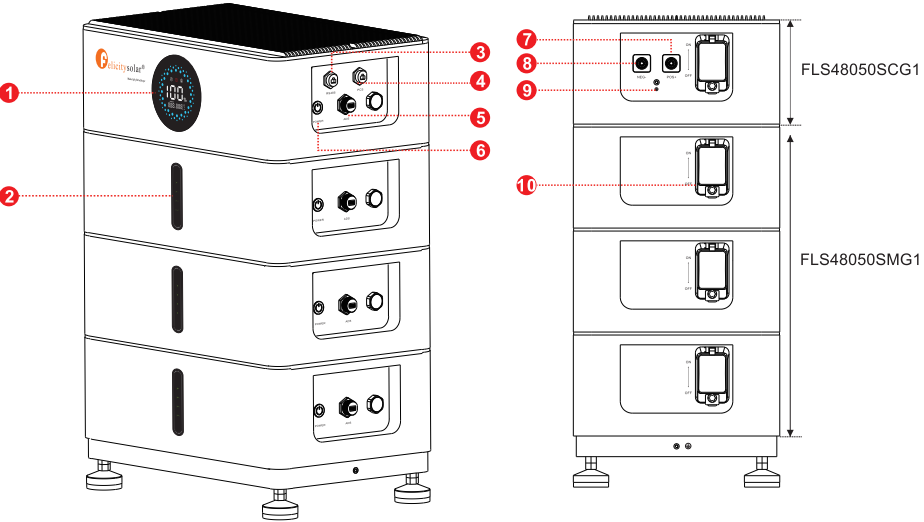
FLS48050SMG1			
NO.	Name	Description	Quantity
1	Battery Box	2.56kWh Battery box	1
2	User manual	User manual	1
3	Warranty card	Warranty card	1
4	Quick installation Guide	Quick installation Guide	1
5	Bracket	Fix the bracket	1

Explanation of the Symbols

	Danger! Serious physical injury or even death may occur if not follow the relative requirements.		Install the product out of reach of children
	Caution, risk of electric shock.		Do not place or install near flammable or explosive materials
	In case of electrolyte leakage, keep leaked electrolyte away from eyes or skin.		Disconnect the equipment before carrying out maintenance or repair
	Do not connect the Pack's positive(+) and negative(-) terminal reversely.		Societe Generale de Surveillance S.A.
	Observe precautions for handling electrostatic discharge sensitive devices.		Instruction manual: Read the instruction manual before starting installation and operation.
	Caution, risk of electric shock, energy storage timed discharge		CE mark: The inverter complies with the CE directive.
	Recyclable.	NOTE	Note: The procedures taken for ensuring proper operation.

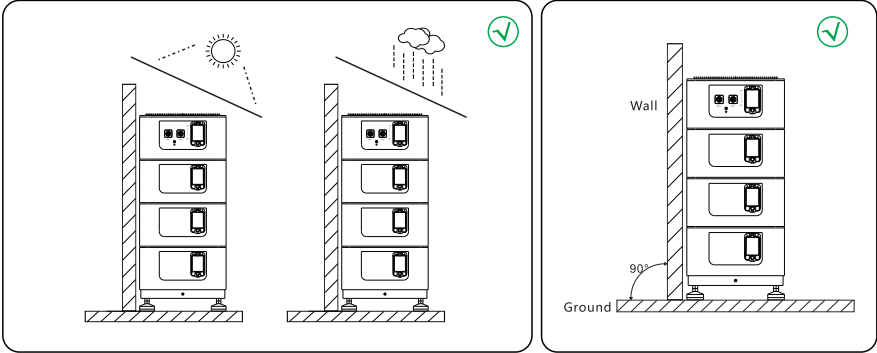
	Do not use the Pack beyond specified conditions		Earth terminal: The inverter must be reliably grounded.
	Take care! This Pack is heavy enough to cause serious injury.		EU WEEE mark: Product should not be disposed as household waste.

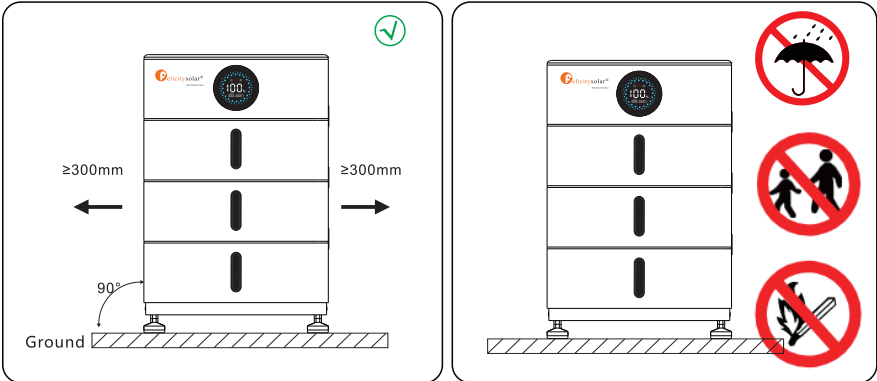
Product Overview

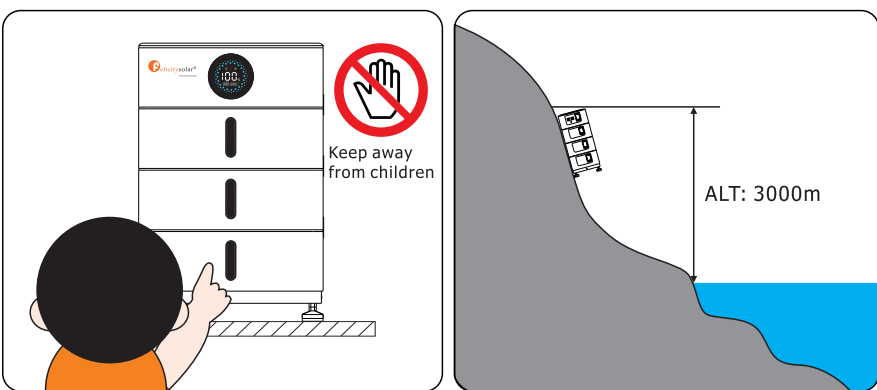


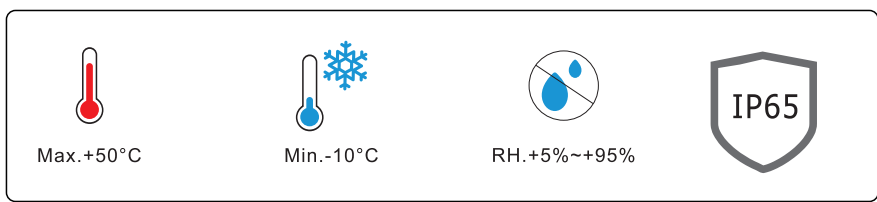
Number	Name
1	LCD display
2	LED
3	RS485 Communication
4	PCS Communication
5	ADS
6	Power On/Charging indicator
7	Battery Positive +
8	Battery Negative -
9	Earth wire
10	Breaker

Installation Environment










Max.+50°C


Min.-10°C


RH.+5%~+95%

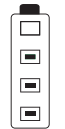

IP65

LCD Display Icons

Icon	Function Description
Display Information	
	Indicates the voltage, current, temperature, SOC of the module. (Short press the button to display the information of each parallel module.)
	Indicates SOC
	Indicates battery level, each LED represents 5%. (When charging, this icon flashes; when discharging, the icon displays constant)
	Indicates settings.
	Indicates a fault.
	Indicates communication signs.

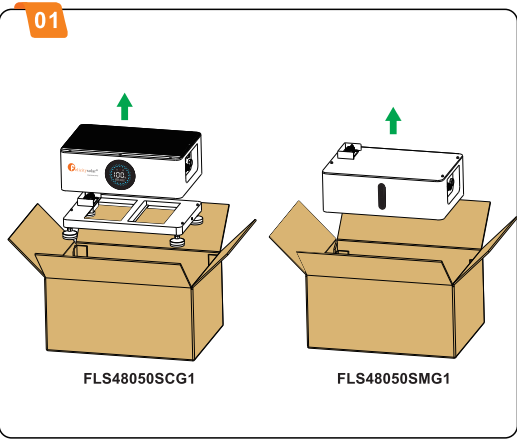
Description for LED

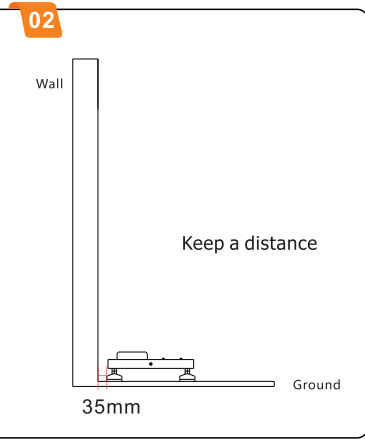
The LED shows the SOC of module N.

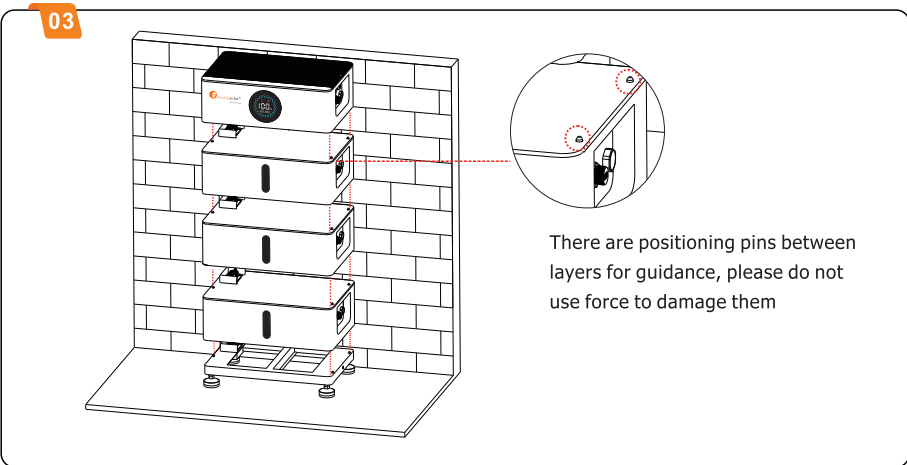
				
100%	75%	50%	25%	Flashing SOC < 10%

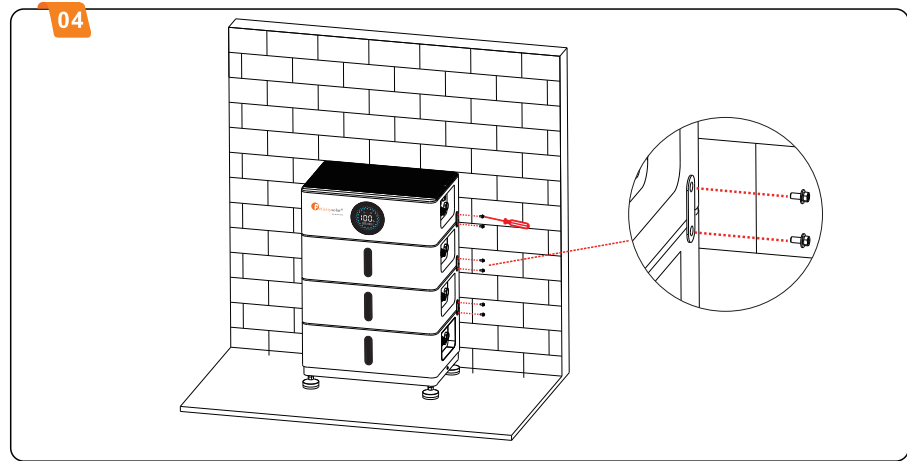
Note: The battery need to be fully charged for at least once in one month to ensure the accurate SOC calculation.

Installation Procedure

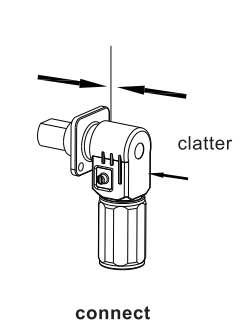


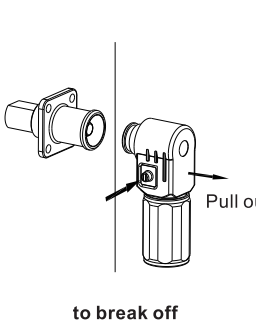


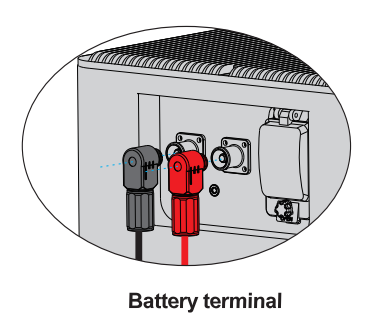




Terminal Connection





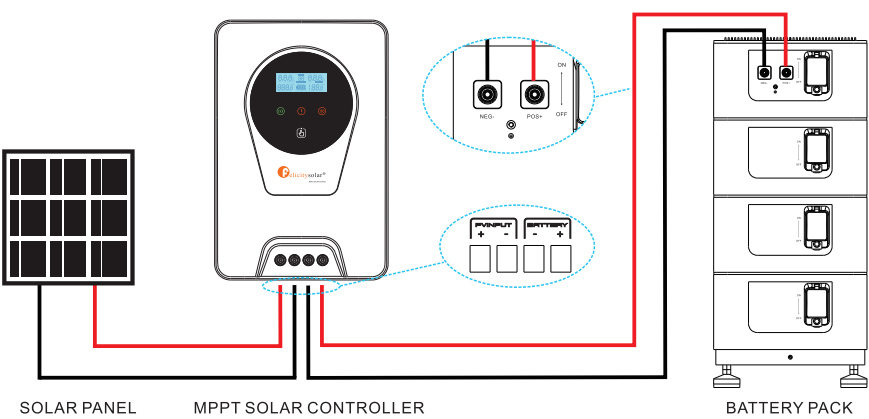


Parallel DIP Switch

Adjust each battery pack dialer from left to right according to the diagram below (from top to bottom)

ON DP		No.of BAT	1	2	3	4
		1PCS	1,5 ON			
		2PCS	1,5 ON	2,5 ON		
		3PCS	1,5 ON	2 ON	1,2,5 ON	
		4PCS	1,5 ON	2 ON	1,2 ON	3,5 ON

Wiring Procedure



Installation of Wifi module

For detailed instructions on how to install WIFI Module, you can scan the QR code to the right to view the WiFi Module installation instructions.



User Manual

User Manual in the QR code or at <https://www.felicitysolar.com/>

