Quick Installation Guide

LiFePO4 Battery System for Households



358-S030009-00

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 FelicityESS 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 

User Manual×1

2 

Warranty Card ×1

3 
Power Cable×2

4 
Communication Cable×1

5 
Communication Cable ×1

6 
Communication Cable×1

7 
Screws M8X4

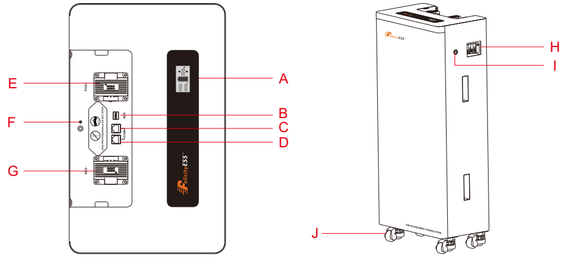
8 
Signal Terminal×2

LUX-Y-48280LG01/LUX-Y-48300LG01			
NO.	Name	Description	Quantity
1	User Manual	User manual	1
2	Warranty Card	Warranty card	1
3	Power Cable	0.9 meters, 25mm², allows for charging and discharging up to 125A, used for connecting to external PCS.	2
4	Communication Cable	Used for parallel communication between battery packs	1
5	Communication Cable	Used for RS485 communication with Felicity inverters	1
6	Communication Cable	Used for CAN/RS485 communication with inverters from other brands.	1
7	Screw	Screws M8X60*4 PCS	4
8	Signal Terminal	Used for creating custom communication cables.	2

Explanation of the Symbols

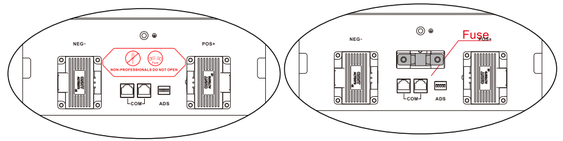
	Danger! Serious physical injury or even death may occur if not follow the relative requirements.		Install the product out of reach of children.
	Caution, risk of electric shock.		Do not place or install near flammable or explosive materials.
	In case of electrolyte leakage, keep leaked electrolyte away 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



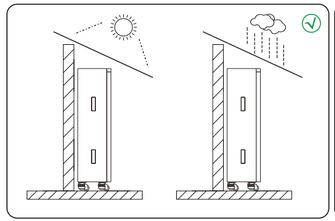
Code	Name
A	LCD Dispaly
B	Switch
C	Communication Port 1
D	Communication Port 0
E	Battery Positive +
F	Earth Wire
G	Battery Negative -
H	Breaker
I	Power On/Charging indicator
J	Wheel

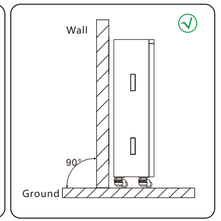
✪ Fuse(Non professionals are not allowed to open this cover)

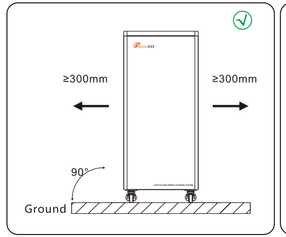


If the fuse is burnt out, please open the cover and replace it

Installation Environment

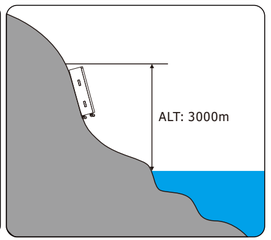


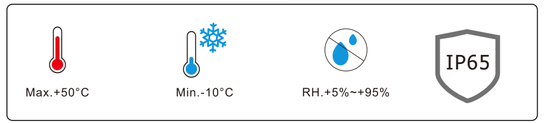




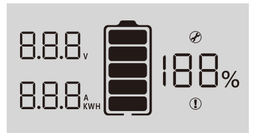








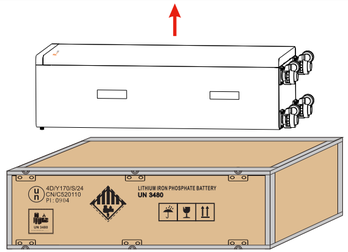
LCD Display Icons



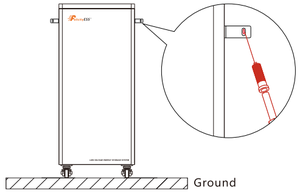
Icon	Function Description
Display Information	
8.8.8V	Indicates battery voltage.
8.8.8A KW	Indicates battery current or watt Short press the switch button to switch watt and current.
188%	Indicate SOC.
Battery Information	
	Indicates battery level by 0-20%, 21-40%, 41-60%, 61-80%, 81-100%. (When charging, this icon is displayed for horse running; When discharging,the icon displays constant).
Fault information	
	Indicates a fault.
Set information	
	Indicates settings.

Installation Procedure

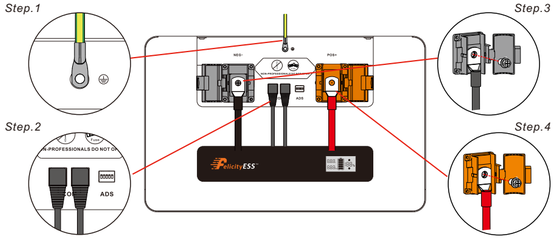
01



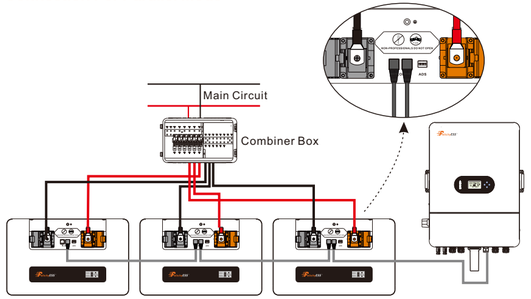
02



Wiring Procedure



Connection For Parallel Mode



Install Protective Cover

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

No.of BAT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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											
5PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3,5 ON										
6PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3,5 ON									
7PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1,2,3,5 ON								
8PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1,2,3 ON	4,5 ON							
9PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1,2,3 ON	4 ON	1,4,5 ON						
10PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1,2,3 ON	4 ON	1,4 ON	2,4,5 ON					
11PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1,2,3 ON	4 ON	1,4 ON	2,4 ON	1,2,4,5 ON				
12PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1,2,3 ON	4 ON	1,4 ON	2,4 ON	1,2,4 ON	3,4,5 ON			
13PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1,2,3 ON	4 ON	1,4 ON	2,4 ON	1,2,4 ON	3,4 ON	1,3, 4,5ON		
14PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1,2,3 ON	4 ON	1,4 ON	2,4 ON	1,2,4 ON	3,4 ON	1,3,4 ON	2,3,4, 5 ON	
15PCS	1,5 ON	2 ON	1,2 ON	3 ON	1,3 ON	2,3 ON	1,2,3 ON	4 ON	1,4 ON	2,4 ON	1,2,4 ON	3,4 ON	1,3,4 ON	2,3,4 ON	1,2,3 4,5ON

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.

WIFI Module

User Manual

User Manual in the OR code or at https://www.felicityess.com/

User Manual