

Quick Installation Guide

LiFePO4 Battery System for Households



358-S030011-00

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 Control Cabinet×1	2 Pedestal×1	3 User Manual×1	4 Warranty Card×1
5 Power Cable×1	6 Power Cable×1	7 Communication line ×1	8 Communication line ×1
9 Communication Cable×1	10 Expansion Plastic Screw×2	11 BOT Foot Cup×4	12 Signal Terminal×2
13 Fixed Trestle×2	14 Screws M5*12 X3		

LUX-X-96050HCG01			
NO.	Name	Description	Quantity
1	Control Cabinet	Control cabinet	1
2	Pedestal	Pedestal	1
3	User Manual	User manual	1
4	Warranty Card	Warranty card	1
5	Power Cable	2 meters, 6mm ² , allows for charging and discharging up to 30A, used to connect to external PCS- (black).	1
6	Power Cable	2 meters, 6mm ² , allows for charging and discharging up to 30A, used to connect to external PCS+ (red).	1
7	Communication line	The communication between the battery pack and the PC	1
8	Communication line	Communication between the battery pack and the Felicity inverter	1
9	Communication Cable	The battery pack communicates with the battery pack in parallel	1
10	Expansion Plastic Screw	Used together for product fixation.	2
11	BOT Foot Cup	Used for supporting the product.	4
12	Signal Terminal	Used for creating custom communication cables.	2
13	Fixed Trestle	Used for fixing products	2
14	Screw	Used for installing Control cabinet	3

1 Battery×1	2 User Manual×1	3 Warranty Card×1	4 Plastic Expansion Screw×2
5 Screws M5*12 X4	6 Fix the Bracket×1	7 Fixed Trestle ×2	

LUX-X-96050HMG01			
NO.	Name	Description	Quantity
1	Battery	5.12kWh Battery box	1
2	User Manual	User manual	1
3	Warranty Card	Warranty card	1
4	Expansion Plastic Screw	Used together for product fixation	2
5	Screw	Used for installing battery pack modules.	4
6	Fix the Bracket	Fix the bracket	1
7	Fixed Trestle	Fixed trestle: Used for fixing products	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 Display
B	Power On/Charging indicator
C	Battery Negative -
D	Battery Positive +
E	Switch
F	Communication Port
G	Earth Wire
H	Breaker
I	LED

Code	Name
A	Blind Plug Terminal
B	Handle

Installation Environment

Correct Installation:

- Stacked machines should be placed on a flat, level ground.
- Machines should be placed against a wall, with a 90° angle between the wall and the ground.
- There should be a minimum clearance of 300mm between the machine and the wall, and between the machine and the ground.

Incorrect Installation:

- Do not install machines in areas with rain or moisture.
- Do not install machines in areas where people can touch them.
- Do not install machines on uneven or sloped ground.

Altitude and Safety:

- Keep away from children.
- ALT: 3000m

Operating Conditions:

- Min. -20°C
- Max. +55°C
- RH. +5%~+95%
- IP65

LCD Display Icons

Object	Name	Description
LCD	LCD touch screen	Display the information of the battery.
STATUS	Status LED	Indicates the operating status of the battery, which is always on when running normally.
CHARGING	Charging LED	Indicates the charging status of the battery, flashing indicates charging
ALARM	Alarm LED	Indicates the fault status of the battery, which lights up when the fault occurs.
ESC	Function Button	Esc: Return from current interface or function.
UP		Up: Move cursor to upside or increase value
DOWN		Down: Move cursor to downside or decrease value
EN		Enter: Confirm the selection

Installation Procedure

01 Accessories box

LUX-X-96050HCG01 LUX-X-96050HMG01

02 Install Foot Cup

03 This arrow is placed forward

04 Take out the cover

05 Stack the machines

06 M5 2N·m

07 M5 2N·m

08 Marking screw holes

09 Bore diameter: 10mm
Drilling deep: 60mm

10 Install the expansion screw

Power terminal Connection

connect: Push the terminal onto the power terminal.

to break off: Press the terminal, then pull it out.

Battery terminal

Wiring Procedure

Remove protective cover

Electrical Connection

Grounding protection

Install protective cover

User Manual

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

