

# Description

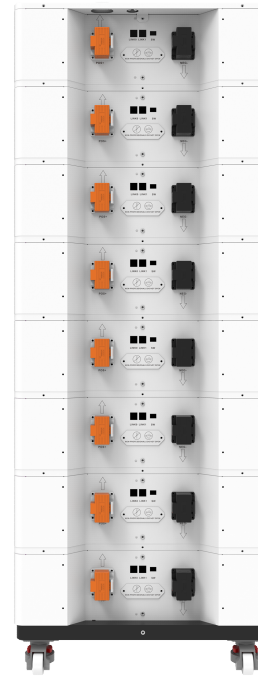
## Appearance



left



front

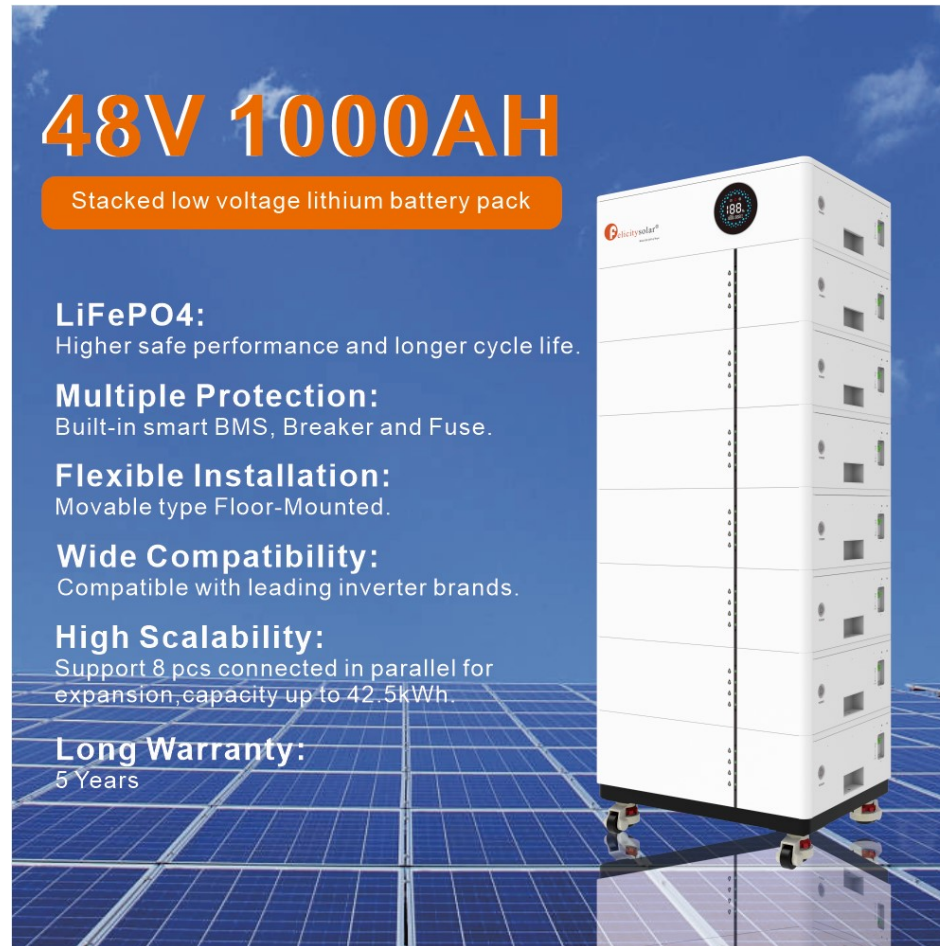


back



right

## Poster



**48V 1000AH**

Stacked low voltage lithium battery pack

**LiFePO4:**  
Higher safe performance and longer cycle life.

**Multiple Protection:**  
Built-in smart BMS, Breaker and Fuse.

**Flexible Installation:**  
Movable type Floor-Mounted.

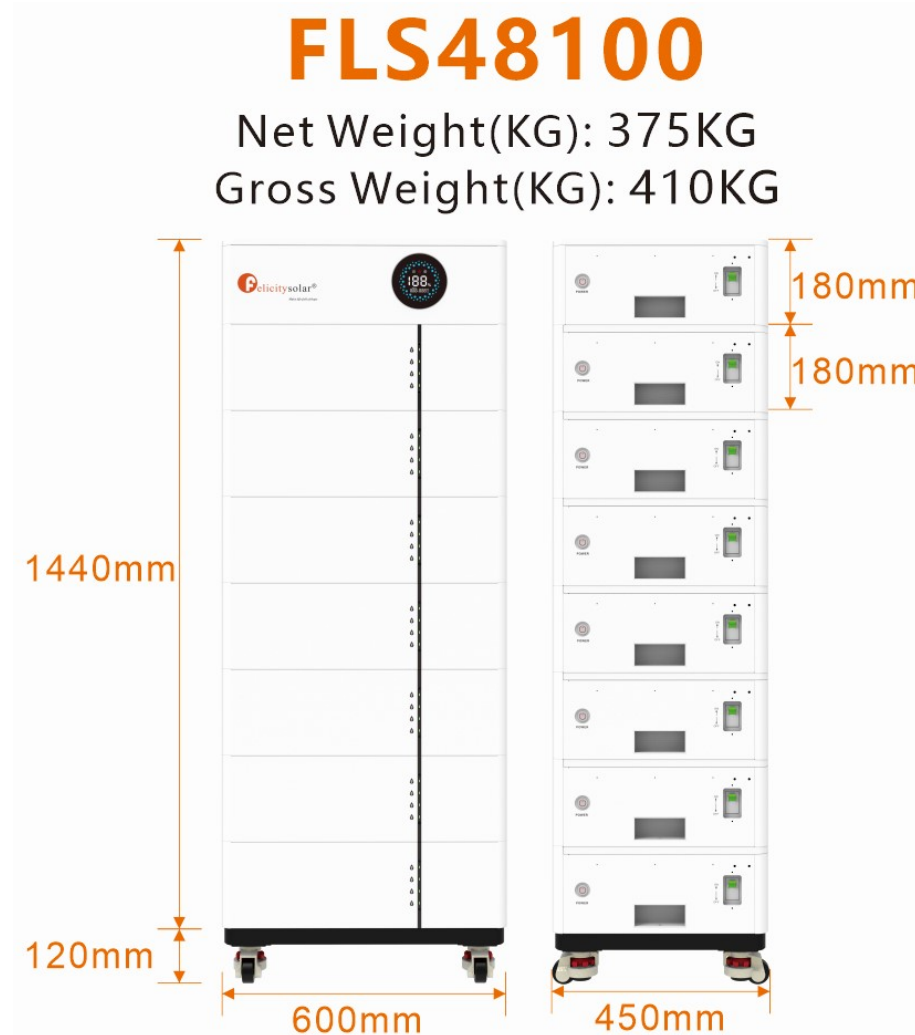
**Wide Compatibility:**  
Compatible with leading inverter brands.

**High Scalability:**  
Support 8 pcs connected in parallel for expansion, capacity up to 42.5kWh.

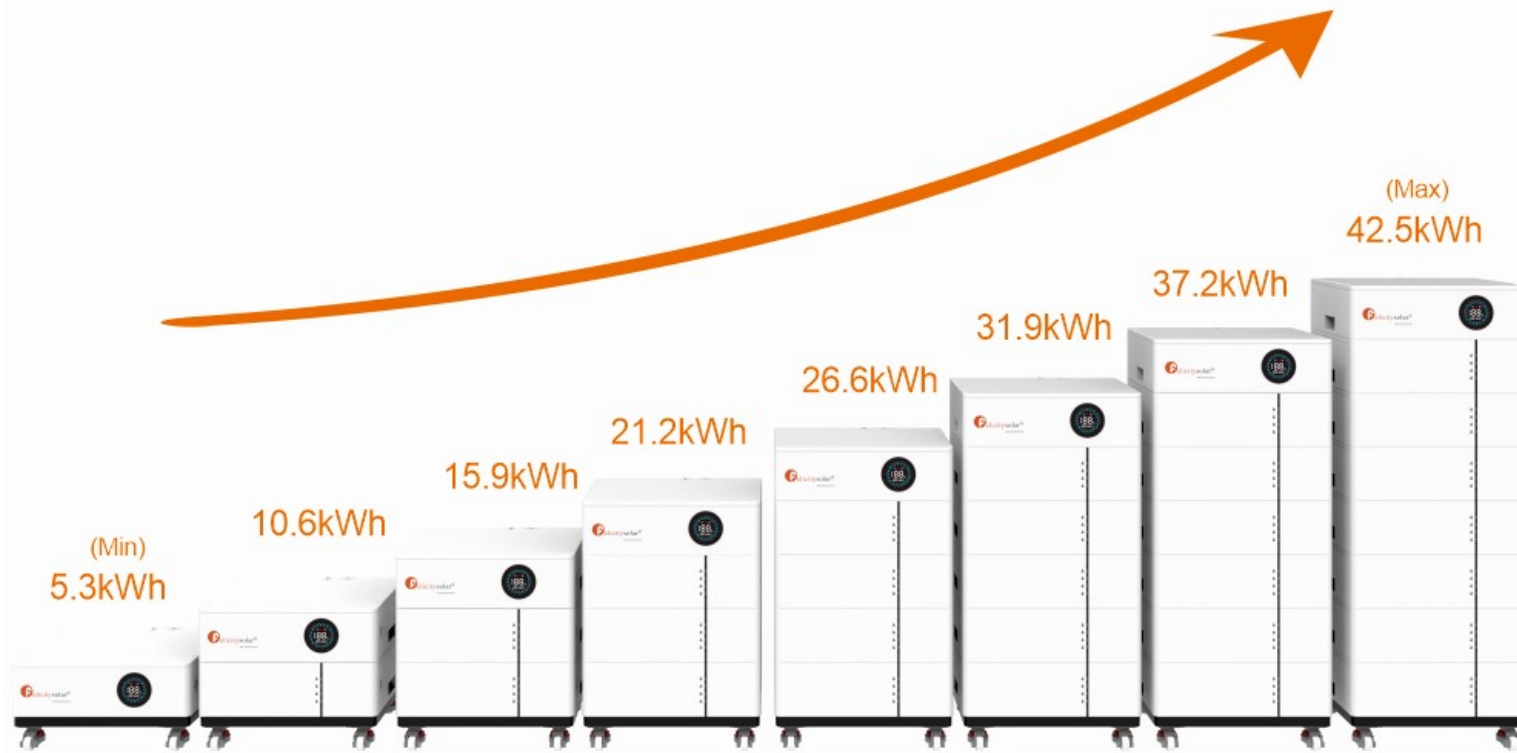
**Long Warranty:**  
5 Years

# Description

## Dimension

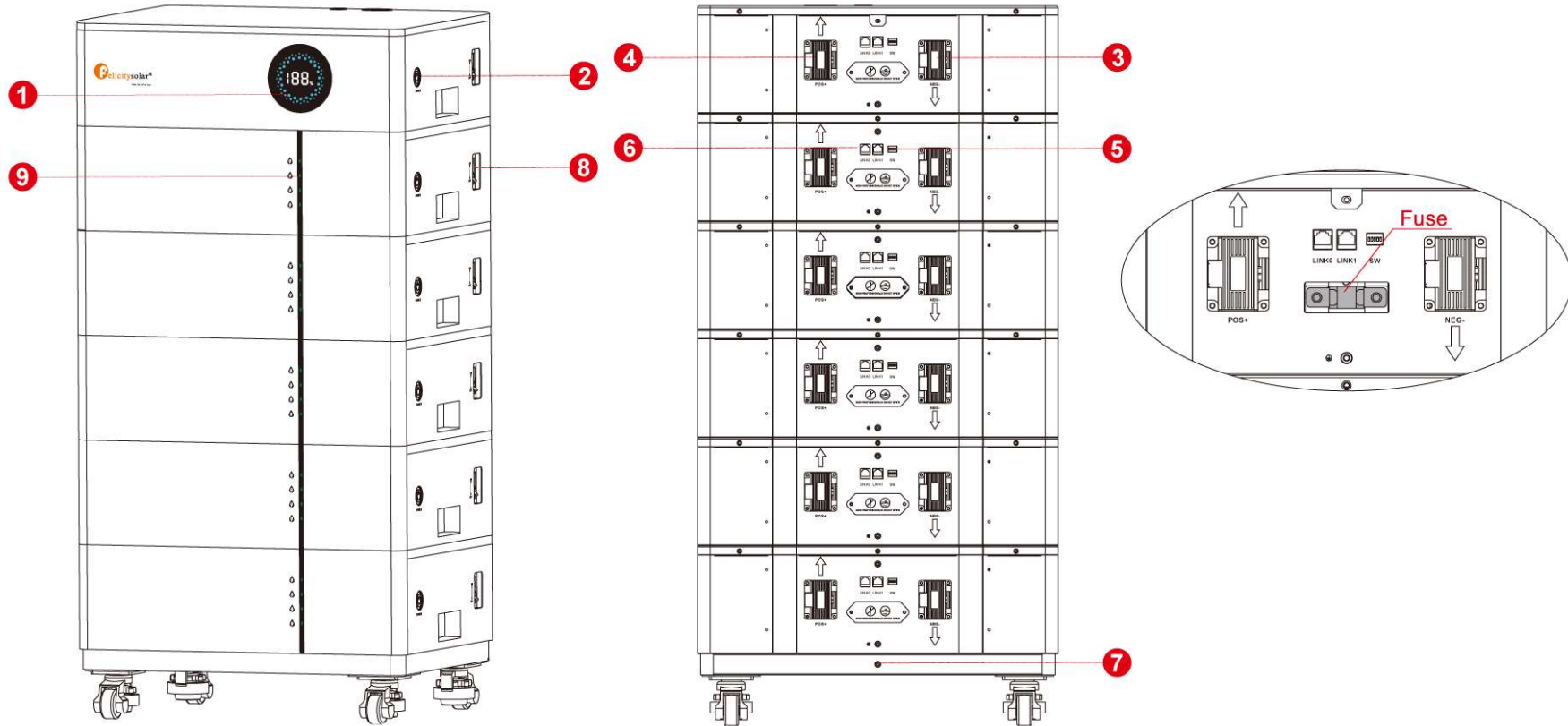


# Up to 8 PCS Battery Packs can be connected in parallel



- Long Warranty: 7 Years.
- Multiple Protection: Built-in smart BMS, breaker and fuses. (Fuses are convenient to replace.)
- The display screen is upgraded to small water droplet dynamic SOC, making it more beautiful which supports viewing the SOC of each module.
- Flexible installation: Movable type floor-mounted.
- Wide Compatibility: Compatible with leading inverter brands, eg: Solis, Sofar and so on.
- High Scalability: Support 8 pcs connected in parallel for expansion, capacity up to 42.5kWh.
- High performance: Higher safe performance and 6000+ cycle life.

# Features



1. LCD display

4. Battery Positive +

7. Earth wire

2. Power On/Charging indicator

5. Switch

8. Breaker

3. Battery Negative -

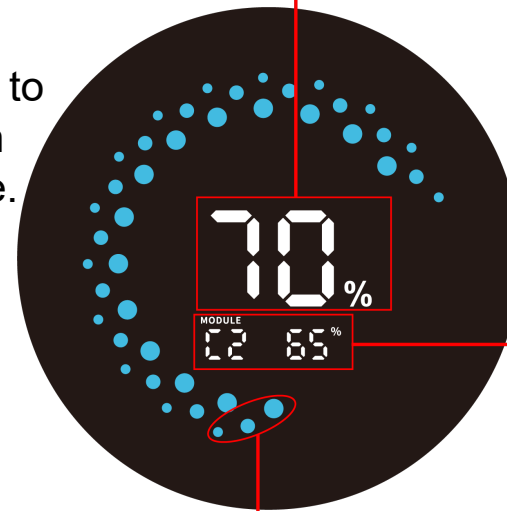
6. Communication port

9. LED

# Features



Short press the button to display the information of each parallel module.

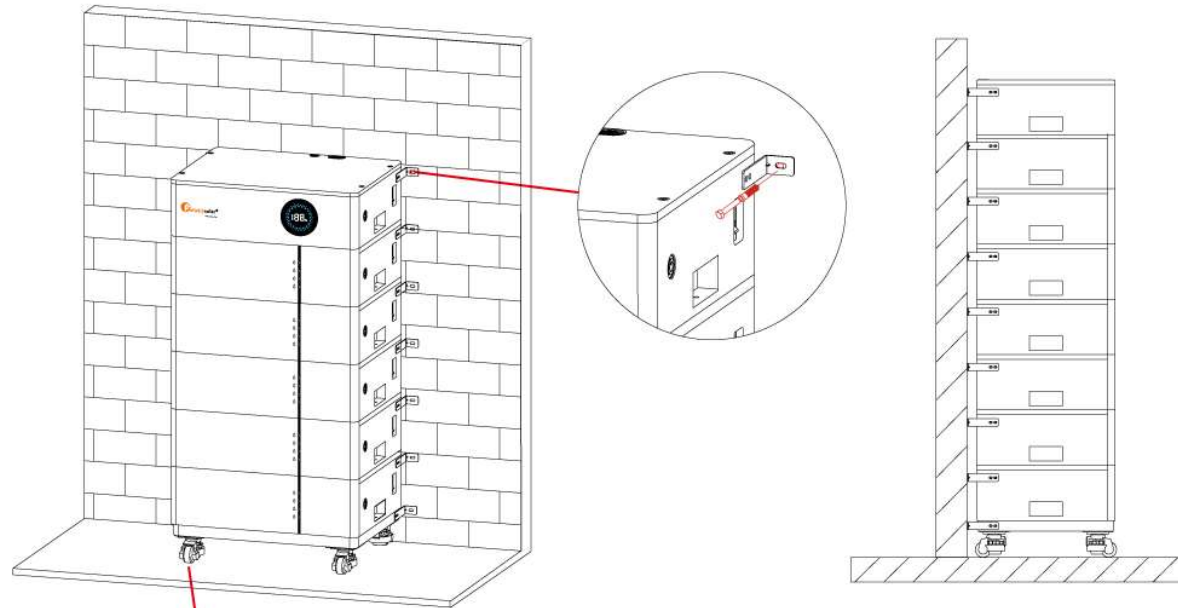


"70%" refer to total battery SOC.

"65%" represents the SOC of module 2.

It represents 5% of the SOC.






## Installation



The rotation operation can adjust the height.



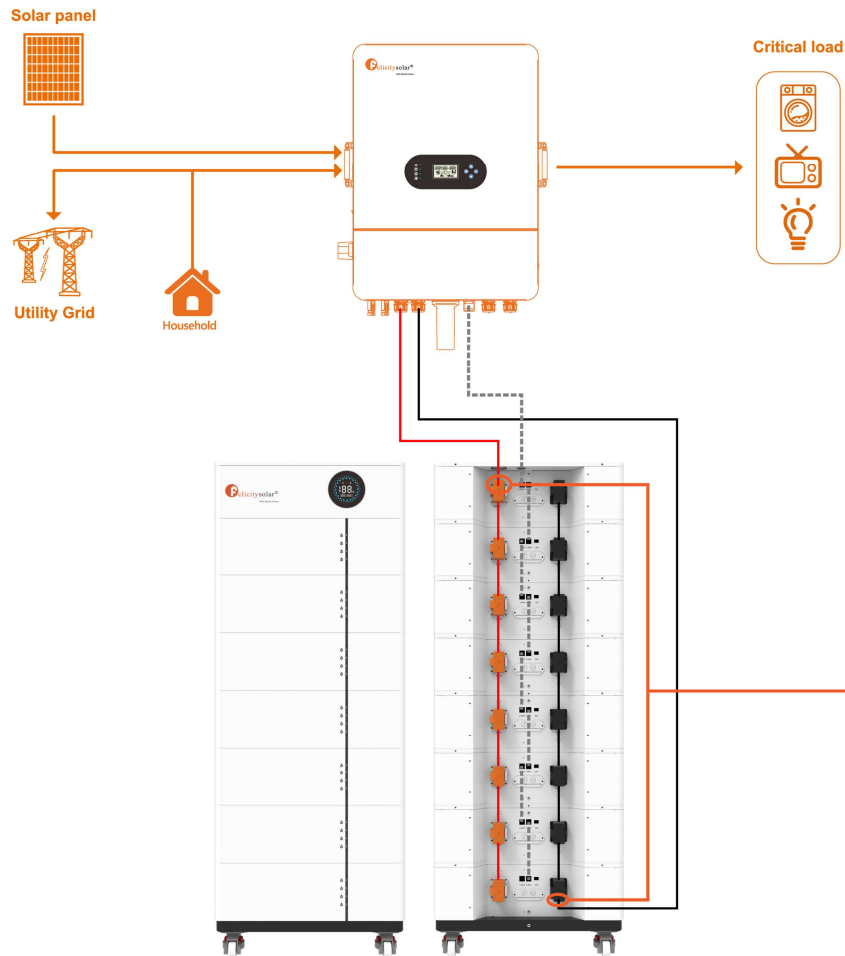
## Configuration wire

	<p><b>CAN Communication cable</b></p>	<p>Compatible with leading inverter brands, eg: Solis, Deye, Growatt, Megarevo, Victron.</p>
	<p>Batteries parallel communication cable</p>	<p>Communication with between battery packs.</p>
	<p><b>CAN/RS458 Communication cable</b></p>	<p>Used to communicate with other brands of inverters, one end does not have RJ45 installed, you can install RJ45 according to the inverter communication pin definition.</p>
	<p>Battery power cable</p>	<p>2AWG*2(One red cable and one black cable), Used for parallel connection between batteries or connecting inverters</p>
	<p><b>RS485 Communication cable</b></p>	<p>Used for communication with Felicitysolar brand inverter</p>

# Parameters

Model	FLS48100							
Number of Battery Modules	1	2	3	4	5	6	7	8
Capacity(kWh)	5.3	10.6	15.9	21.2	26.6	31.9	37.2	42.5
Nominal Voltage	51.2V							
Operating Voltage	44.8-57.6V							
Recommend Charge/Discharge Current	≤60A	≤120A	≤180A	≤240A	≤300A	≤360A	≤400A	≤400A
Recommend Charge/Discharge Power	≤3000W	≤6000W	≤9000W	≤12000W	≤15000W	≤18000W	≤20000W	≤20000W
Maximum Charge/Discharge Current(15s)	100A	200A	300A	400A	500A	600A	700A	800A
Maximum Charge/Discharge Power(15s)	≤5000W	≤10000W	≤15000W	≤20000W	≤25000W	≤30000W	≤35000W	≤40000W
DOD	≥95%							
Scalability	Up to 8 units in parallel (42.5kWh)							
Communication	RS485/CAN							
Ingress Protection	IP21							
Cycle Life	≥6000@25°C,80%DOD							
Warranty	7 Years							
Net Weight (kg)	53	99	145	191	237	283	329	375
Product Dimension	600*450* (180N+120) mm							

## Diagram of parallel connection



Make the battery charging current more balanced and reduce the loss.