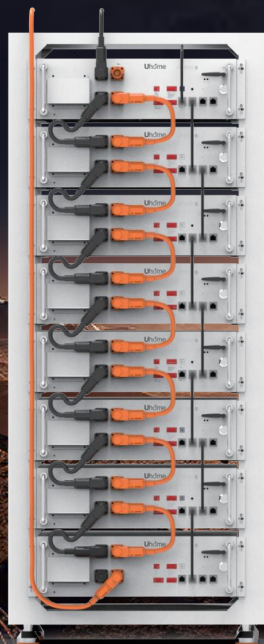


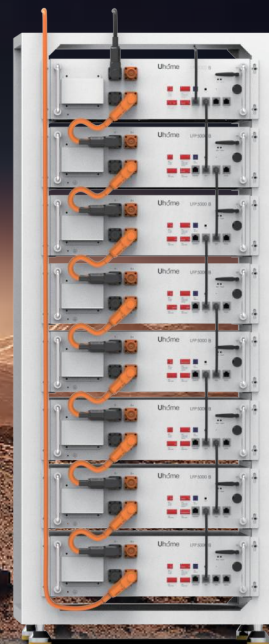
# LFP 5000B

LiFePO<sub>4</sub> Battery ESS

Both household and commercial storage are applicable and can be freely combined.



Parallel Connection(MAX 16P)



Series Connection(MAX 16S)

## PRODUCT FEATURES



>6000  
Cycle Life@25°C



Multiple Safety Protection  
Relay, DC Breaker



Smart BMS  
Intelligent management & maintenance of battery systems



Parallel&Series  
Supports parallel/series connection of 16 units



Voltage Wake-up  
Under off-grid System Environment



New&Old Batteries can be used in together  
Connect in Parallel




Remote Monitoring  
Real time monitoring of power usage and battery pack operation



Voltage Balancing  
Voltage Balancing between Battery Cells&Battery Pack

## ● Technical Specifications

Product Image	
Model	LFP 5000B
Battery Type	LiFePO4 Prismatic
Nominal Energy	5.1kWh
Usable Energy*	4.7kWh
Nominal Capacity	100Ah
Nominal Voltage	51.2V
Operating Voltage	48~56V
Recommended Charge&Discharge Current	50A/50A
Max Charge/Discharge Current	60A/60 A
Peak Discharge Current	120A(3S)
Peak Discharge Power	6kW(3S)
Recommended Depth of Discharge (DOD)	93%
Charging Temp. Range	From 0~55℃
Discharging Temp. Range	From -10~55℃
Cycle Life	>6000@25℃
Scalability	16 Parallel/16 Series
WIFI Module	Uhome
Communication	CAN/ RS485
IP Rating	IP20
Recommended Humidity	5%~95%(No condensed water)
Cooling Type	Natural cooling
Color	Black/White
Installation	Wall mounted/Ground mounted
Net Weight	45kg
Dimension(W*H*D)	442*133*520mm
Protection	Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature
Warranty	10 years*
Certification	UN38.3/UL1973/CE/IEC 62619/UL9540A

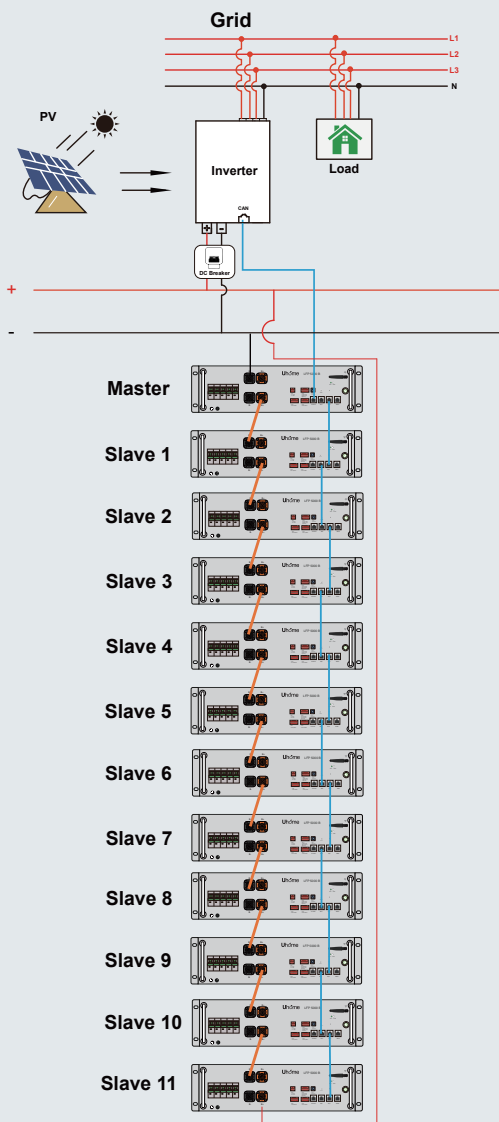
Testing conditions based on temperature 25℃ at the beginning of life.

\*Total Energy/Usable Energy measured under specific conditions by Uhome 0.2C CC-CV and based on recommended DOD(93%);

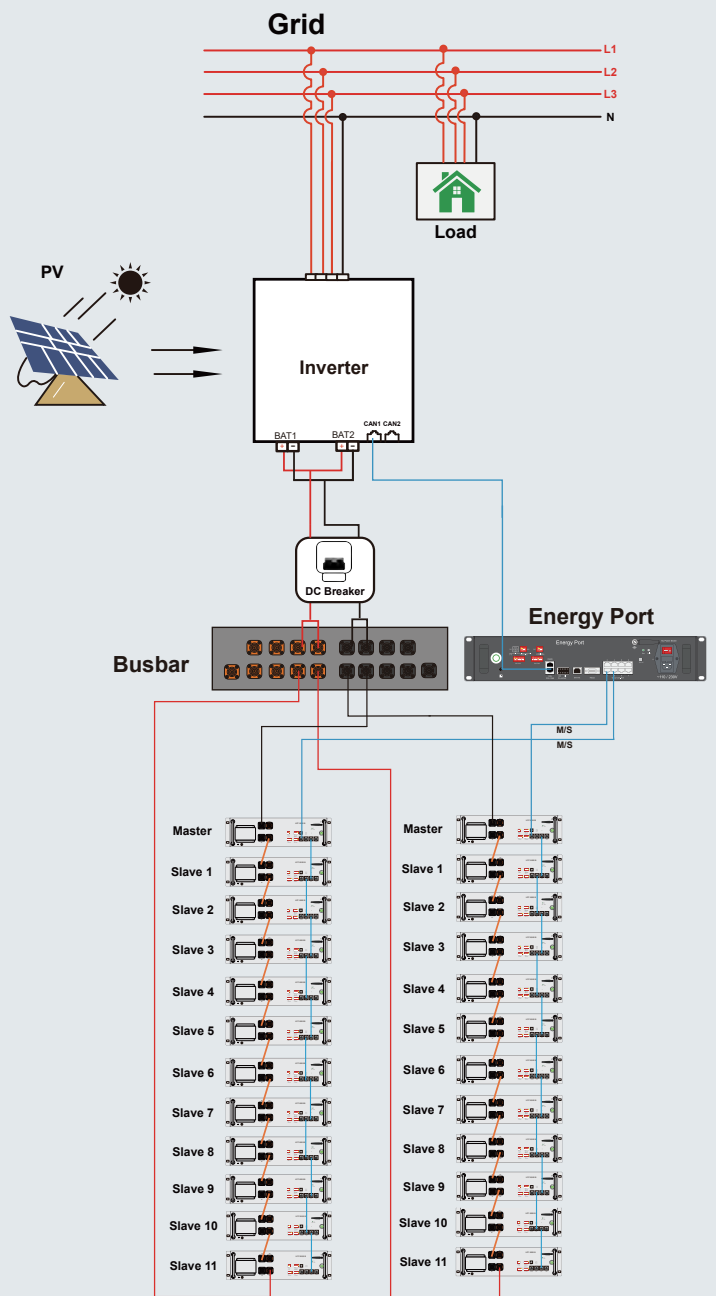
# Typical Application Cases

Reference Scheme	Compatible inverter brands
1P12S	<b>DEYE\SOLINTEG\SOLIS\LuxPower\Afore\Growatt\ Goodwe\Thinkpower\Sol-Ark\Hoymlies\AISWEI,etc.</b> <b>NOTE:</b> The above are only examples of compatible inverters.
2P12S	
3P12S	

### Scheme 1: 1P12S



### Scheme 2: 2P12S



\*Free combination of solutions, suitable for both industrial, commercial, and household use.

# Typical Application Cases

## Scheme 3: 3P12S

