

# LFP 5000SM/5000S

LiFePO<sub>4</sub> Battery ESS

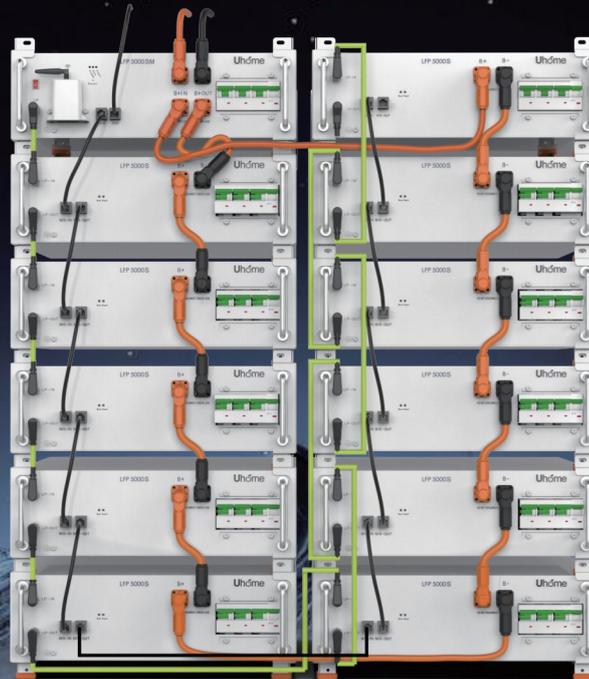
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Series Connection(MAX 13S)

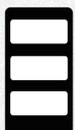
## PRODUCT FEATURES



>6000  
Cycle Life@25°C



**No Need for Energy Port**  
The master battery is equipped with a energy box function



**No Dip Switch**  
Easy for commission



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



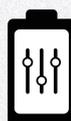
**Smart BMS**  
Intelligent management & maintenance of battery systems



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



**13 Series**  
Supports series connection of 13 units



**Voltage Balancing**  
Voltage Balancing between Battery Cells&Battery Pack

## ● Technical Specifications

Product Image		
Model	LFP 5000SM	LFP 5000S
Battery Type	LiFePO4 Prismatic	
Nominal Energy	5.1kWh	
Usable Energy*	4.6kWh	
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 °C	
Discharging Temp. Range	From -10~55 °C	
Cycle Life	>6000@25 °C	
Scalability	1 Series	12Series
WIFI Module	Uhome	/
Communication	CAN/ RS485	
IP Rating	IP20	
Recommended Humidity	5%~95%(No condensed water)	
Cooling Type	Forced air cooling	
Color	White(optional)	
Installation	Ground/Rack mounted	
Net Weight	59kg	57kg
Dimension (W*H*D)	442*133*618mm	
Protection	Over-current/Over-voltage/Short circuit/Under-voltage/Over temperature	
Warranty	10 years*	
Certification	CE/UN38.3	

Testing conditions based on temperature 25 °C 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%);