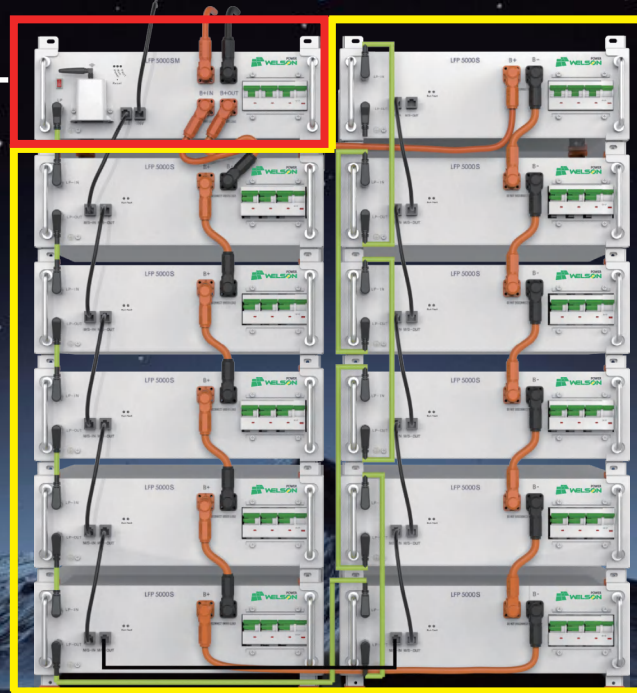


# LFP 5000SM/5000S

LiFePO<sub>4</sub> Battery ESS

LFP 5000SM  
Master Module



LFP 5000S  
Slaves Module

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	LiFePO <sub>4</sub> 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℃	
Discharging Temp. Range	From -10~55℃	
Cycle Life	>6000@25℃	
Scalability	1 Series	12Series
Communication	CAN/ RS485	
IP Rating	IP20	
Recommended Humidity	5%-95%(No condensed water)	
Cooling Type	Forced air cooling	
Color	White (optional)	
Installation	Rack Mounted/Ground 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℃ at the beginning of life.

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