

Energy Storage System Rack Mounted Series

LFP 5000/5000HV/5000SHV/TS-L5000/LV



LFP 5000

3U/500*442*133mm



TS-L5000/LV

3U/500*448*135mm



LFP 5000S HV

3U/500*442*133mm



LFP 5000 HV

3U/500*442*133mm

FEATURES



>6000

Cycle Life@25°C



Automatic Wake-up

Under off-grid System Environment



Smart BMS

Intelligent management & maintenance of battery systems



Remote Monitoring

Real time monitoring of electricity usage and equipment operation



Multiple Safety Protection

Relay, Fuse, DC Breaker



New&Old Batteries can be used in together

Connect in Parallel



Parallel& Series

Adapting to series or parallel connection



Voltage Balancing

Voltage Balancing between Battery Cells&Battery Pack

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Technical Specifications



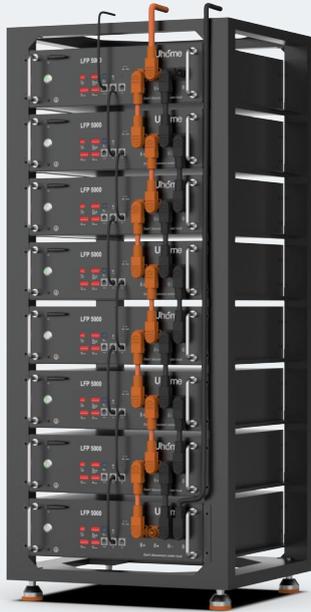
Model	LFP 5000	TS-L5000/LV	LFP 5000 HV	LFP 5000S HV
Total Energy*	5.1kWh	4.8kWh	5.1kWh	5.4kWh
Usable Energy(DC)*	4.6kWh	4.3kWh	4.6kWh	4.6kWh
Nominal Dis-/Charge Power	3.0kW	2.88kW	2.0kW	2.0kW
Peak Power(Only Discharge)	6kW for 3s	6kW for 3s	6kW for 3s	6kW for 3s
Constant Current(Only Discharge)	80A	100A	50A	50A
Voltage	48~56Vd.c	45~52Vd.c	96~112Vd.c	96~112Vd.c
Nominal Voltage	51.2Vd.c	48Vd.c	102.4Vd.c	102.4Vd.c
Nominal Current	60A	60A	50A	50A
Peak Discharging Current	200A/10s			
Max. Charge Voltage	57.6Vd.c	57.6Vd.c	115.2Vd.c	115.2Vd.c
Weight	45kg	42kg	43kg	43kg
Dimension(L*W*H)	500*442*133mm	500*448*135mm	500*442*133mm	500*442*133mm
Max Recommended DOD	90%			
Operating Condition	Indoor			
Operating Temperature	Charge	From 0~50 °C		
	Discharge	From -10~55 °C		
WIFI Frequency Range	2.4GHz			
Recommended Humidity	<60%(No Condensed Water)			
Over Voltage Category	II			
Cooling Type	Natural Cooling			
Case Material	Metal			
Color	Black or White			
Installation	Wall mounting/Ground Installation			
IP Rating	IP 20			
Protective Class	I			
Max Connection Number	8S/8P	16P	4S	6S
Warranty	10 years			
Communication	CAN/ RS485			
Protection Mode	Triple Safety Protection			
Battery Protection	Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature			
Safety	Cell TUV			
	CE/TUV			
Hazardous Material Classification	9			
Transportation	UN 38.3			

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

*Total Energy/Usable Energy measured under specific conditions from Uhome 0.2C CC-CV

Wiring Diagram for Reference

LFP 5000



Parallel Connection (MAX 8P)



Series Connection (MAX 8S)

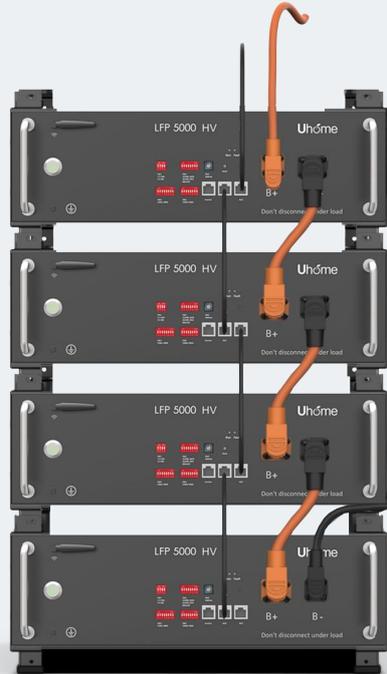
LFP 5000S HV



Series Connection (MAX 6S)

Wiring Diagram for Reference

LFP 5000 HV



Series Connection (MAX 4S)

TS-L5000/LV



Parallel Connection (MAX 16P)