

LFP 16076M/LFP 16076MPlus

LiFePO₄ Battery ESS



LFP 16076M

IP20



LFP 16076MPlus

IP65



PRODUCT FEATURES



>8000
Cycle Life@25°C



Voltage Wake-up
Under off-grid System Environment



Smart BMS
Intelligent management & maintenance of battery systems



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



Multiple Safety Protection
MOS, DC Breaker



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



Parallel Connection
Supports parallel connection of 16 units



Voltage Balancing
Voltage Balancing between Battery Cells&Battery Pack

● Technical Specifications

Product Image			
Model		LFP 16076M	LFP 16076MPlus
Battery Type		LiFePO ₄ Prismatic	
Nominal Energy		16.076kWh	
Usable Energy*		14.95kWh	
Nominal Capacity		314Ah	
Nominal Voltage		51.2V	
Operating Voltage		48~56V	
Under Lead-acid Mode	Recommended Current	100A	80A
	Recommended Voltage	48~55.2V	
Recommended Charge&Discharge Current		150A/150A	100A/100A
Max Charge/Discharge Current		150A/150 A	200A/200 A
Peak Discharge Current		200A(3S)	240A(3S)
Peak Discharge Power		10kW(3S)	12kW(3S)
Recommended Depth of Discharge (DOD)		93%	
Charging Temp. Range		From -20~55℃	
Discharging Temp. Range		From -10~55℃	
Cycle Life		≥ 8000@25℃	
Scalability		16 Parallel	
WIFI Module		Uhome	
Fire Protection		Built-in aerosol(optional)	
Communication		CAN/ RS485	
IP Rating		IP20	IP65
Recommended Humidity		5%~95%(No condensed water)	
Cooling Type		Natural cooling	
Color		White(Optional)	
Installation		Floor-mounting	Floor-mounting/Stack-mounting
Net Weight		115kg	115±2kg
Dimension(L*W*D)		450*752*235mm	480*750*235mm
Protection		Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature	
Top Cover		/	Yes (Optional)
Heating Module		/	Yes (Optional)
Warranty		10 years*	
Certification		UN38.3/CE/IEC 62619(Cell)	

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

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