

LFP 16076

LiFePO₄ Battery ESS

Rack Mounted

Floor-standing Mounted

Uhome

Easy to move
with wheels

PRODUCT FEATURES

MODULAR DESIGN

Free combination of solutions, suitable for both
INDUSTRIAL, COMMERCIAL, and household use.



>8000
Cycle Life@25°C



Voltage Wake-up
Under off-grid System Environment



Voltage Balancing
Voltage Balancing between
Battery Cells&Battery Pack



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



Parallel& Series
Support 16 Parallel&Series Connection



Voltage Balancing
Voltage Balancing between
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● Technical Specifications

Product Image			
Model		LFP 16076	
Battery Type		LiFePO ₄ Prismatic	
Nominal Energy		16.076kWh	
Usable Energy*		14.9kWh	
Nominal Capacity		314Ah	
Nominal Voltage		51.2V	
Operating Voltage		48~56V	
Under Lead-acid Mode	Recommended Current	100A	
	Recommended Voltage	48~55.2V	
Recommended Charge&Discharge Current		150A/150A	
Max Charge/Discharge Current		200A/200 A	
Peak Discharge Current		250A(3S)	
Peak Discharge Power		12kW(3S)	
Recommended Depth of Discharge (DOD)		93%	
Charging Temp. Range		From 0~55℃	
Discharging Temp. Range		From -10~55℃	
Cycle Life		>8000@25℃	
Scalability		16 Parallel/12 Series	
WIFI Module		Uhome	
Communication		CAN/ RS485	
IP Rating		IP20	
Recommended Humidity		5%~95%(No condensed water)	
Cooling Type		Natural cooling	
Color		White(Optional)	
Installation		Rack Mounted/Ground Mounted	
Net Weight		116kg	
Dimension(L*W*D)		855*450*235mm	
Protection		Over-current/Over-voltage/Short circuit/Under-voltage/Over temperature	
Heating Module		Optional	
Fire Protection		Built-in aerosol	
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 Uhome 0.2C CC-CV and based on recommended DOD(93%);