

# LFP 16076

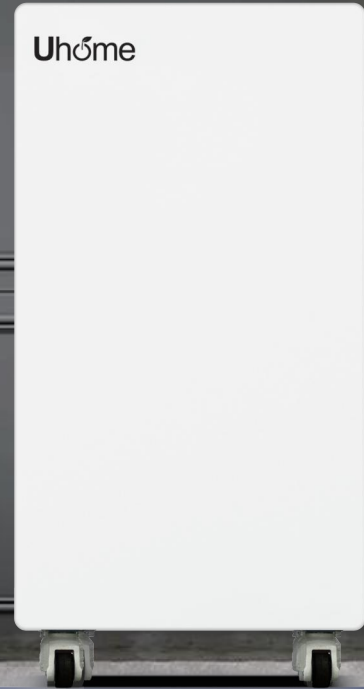
## LifePo4 Battery ESS

Rack Mounted



Floor-standing Mounted

Uhome



## 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



Fast Charge/Discharge  
Max Charge/Discharge Current:200A



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  
electricity usage and  
equipment operation




Parallel& Series  
Adapting to series or parallel connection



Voltage Balancing  
Voltage Balancing between  
Battery Cells&Battery Pack

## ● Technical Specifications

Product Image		
Model		LFP 16076
Battery Type		LiFePO4 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
	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 mounting/Ground Installation
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 from Uhome 0.2C CC-CV and based on recommended DOD(93%);