

LFP 5000DM

LiFePO₄ Battery ESS



PRODUCT FEATURES



1C
Discharge Rating



Multiple Safety Protection
MOS, DC Breaker



Smart BMS
Intelligent management & maintenance of battery systems



Parallel
Supports parallel connection of 16 units



Voltage Wake-up
Under off-grid System Environment



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



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



No Dip Switch
Easy for commission

Technical Specifications

Product Image		
Model	LFP 5000DM	
Battery Type	LiFePO ₄ Prismatic	
Nominal Energy	5.1kWh	
Usable Energy*	4.7kWh	
Nominal Capacity	100Ah	
Nominal Voltage	51.2V	
Operating Voltage	48~56V	
Under Lead-acid Mode	Recommended Current	50A
	Recommended Voltage	48~55.2V
Max Charge/Discharge Current	60A/100A	
Peak Discharge Current	120A(3S)	
Peak Discharge Power	6kW(3S)	
Recommended Depth of Discharge (DOD)	93%	
Charging Temp. Range	From 0~55 °C	
Discharging Temp. Range	From -10~55 °C	
Cycle Life	>6000@25 °C	
Scalability	16 Parallel	
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	44±1kg	
Dimension(W*H*D)	442*135*500mm	
Protection	Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature	
Warranty	10 years*	
Certification	UN38.3/CE/UL1973(Cell)	

Testing conditions based on temperature 25 °C 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%);