



WALL MOUNT SERIES

100Ah - 200Ah

LiFePo4 batteries are a top-performing option with a longer lifespan and improved efficiency for both charge and discharge rate. They are also lightweight and require no maintenance. These batteries are extremely safe and is a great choice for environmentally sensitive areas due to their high-power cell technology and enhanced cycle life capabilities.

Why come to us for a solution?

Quality products

Wide range of products

Nationwide backup

Locally produced UPS's

Competitively priced

Unique design

Good value for money



APPLICATION

Home Storage, Telecom, Back Up Power, Off Grid, Emergency Lighting, UPS, TV, Wi-Fi Modem

FEATURES

- Lithium iron phosphate - LiFePO4
- Life cycle >4000 @ 80% D.O.D.
- 10 year life design
- Up to 15 parallel connections
- LCD Screen
- Alarm display on control panel
- Intelligent management system
- Intelligent balancing function
- Intelligent design
- Intelligent thermal management
- Wall mount



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MODEL	LP24100WM	LP24200WM	LP48100WM
BATTERY SPECIFICATIONS			
Battery Type - Chemistry	LifePO4		
Nominal Voltage	25.6V		51.2V
Amp Hour Capacity	100Ah	200Ah	100Ah
Energy Density	2560Wh	5120Wh	
MECHANICAL SPECIFICATIONS			
Terminal Type	M6		
Terminal Torque	8.5NM		
BMS build-in	Yes		
Recommended Charge Voltage	28.5±0.20V		56.5 ± 0.20V
Max Charge Voltage	29.5±0.20V		57± 0.20V
Recommended Charge Current	25A		50A
Maximum Charge Current	100Ah		
Charge Current (0 to 10°C)	<0.1C		
Charge Current (-20 to 10°C)	<0.05C		
Recommended Discharge Voltage	22.5±0.20V		45± 0.20V
Max Discharge Voltage	21.6±0.20V		43.5±0.20V
Max Discharge Current	100A		
Pulse Discharge Current	120A±3S		160A±3S
Internal Resistance	<80mΩ		
Efficiency - round trip	>99.5%		
Self Discharge per month	<3%		
Max series connections	Not Allowed		
Parallel Connections	15 PCS		
Case IP rating	IP35	IP50	
Design Life	10 Years		
Cycle Life	1C,25°C@80%DOB >4000 0.2C,25°C@80%DOB >6000		
TEMPERATURE SPECIFICATIONS			
TEMPERATURE	Discharge Temperature: -23 - 65°C Charge Temperature: -3 - 65°C Storage Temperature: -20 - 45°C		
OTHER			
Shipping Classification / Certificates	UN3480, CLASS 9 / CB/CE		
Communication ports	RS485, CAN		
BMS SPECIFICATIONS			
Over Charging Cell Protection	>3.80V±0.05V		
Over Charging Pack Protection	>29.6V±0.20V	>60V±0.20V	
Over Charging Current 1	>102V<112V±2.5V		
Over Discharging Cell Protection Over	<2.5V±0.05V		>2.80V±0.05V
Discharging Pack Protection Over Discharging	>21.6V±0.20V		>43.2V±0.20V
Current 1	>102V<122V±2.5V		
Cell Balancing Start	>3.4V±0.05V		
Cell Balance Current	150V±10mA		90V±20mA
Short Circuit	NA		560A
DIMENSIONS AND WEIGHT			
Dimensions (mm)	442X400X155	442X550X126	
Weight (Kg)	30	48	



In the interests of continuous product improvement, all specifications are subject to change without notice.