

Wall Mounted LiFePO₄ Battery



High Cycle Life

6000 cycles @80%DOD,25C for effectively lower total of ownership cost.



Longer Service Life

Low maintenance batteries with stable chemistry.



Built In Circuit Protection

Battery Management System (BMS) is incorporated against abuse.



Better Storage

Up to 6 months thanks to its extremely low self discharge (LSD) rate and no risk of sulphation.



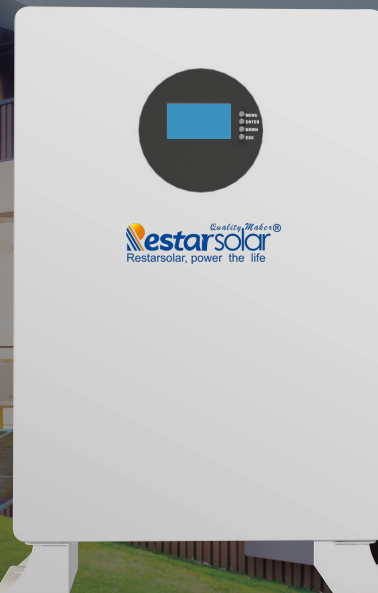
Quickly Recharge

Save time and increase productivity with less down time thanks to superior charge/discharge efficiency.

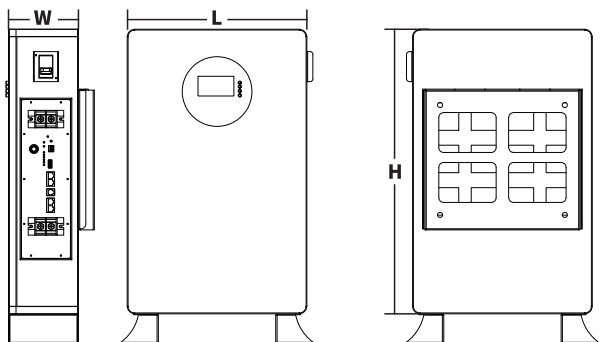


Extreme Heat Tolerance

Suitable for use in a wider range of applications where ambient temperature is unusually high: up to +60°C



Product Dimension Diagram



Unit: mm

Application

- Electric vehicles, electric mobility.
- Solar/wind energy storage system.
- UPS, backup power.
- Telecommunication
- Medical equipment
- Lighting



Electrical Characteristics	25.6V100AH	25.6V150AH	25.6V200AH	51.2V100AH	51.2V150AH	51.2V200AH	51.2V300AH
Nominal Voltage	25.6V			51.2V			
Nominal Capacity	100Ah	150Ah	200Ah	100Ah	150Ah	200Ah	300Ah
Energy	2560Wh	3840Wh	5120Wh	5120Wh	7680Wh	10240Wh	15360Wh
Internal Resistance	≤10mΩ@50%SOC						
Cycle Life	>6000 cycles @0.2C						
Months Self Discharge	<3%						
Efficiency of Charge	100%@0.5C						
Efficiency of Discharge	96~99%@0.5C						
Standard Charge							
Continuous Current (0.5C)	50A	75A	100A	50A	75A	100A	150A
Recom. Charge Current (0.2C)	20A	30A	40A	20A	30A	40A	60A
Max. Charge Current (1C)	100A	150A	200A	100A	150A	200A	200A
Charge Cut-off Voltage	29.2V±0.2V			58.4V±0.2V			
Standard Discharge							
Continuous Current (0.5C)	50A	75A	100A	50A	75A	100A	150A
Recom. Discharge Current (0.2C)	20A	30A	40A	20A	30A	40A	60A
Max. Discharge Current (1C)	100A	150A	200A	100A	150A	200A	200A
Discharge Cut-off Voltage	21.6V			43.2V			
Environmental							
Charge Temperature	0°C to 45°C (30°F to 113°F) @ 60±25% Relative Humidiy						
Discharge Temperature	-20°C to 60°C (-4°F to 140°F) @ 60±25% Relative Humidiy						
Storage Temperature	0°C to 40°C (32°F to 104°F) @ 60±25% Relative Humidiy						
Water Dust Resistance	IP20						
Mechanical							
Cell & Method	3.2V100AH-8S1P	3.2V150AH-8S1P	3.2V100AH-8S2P	3.2V100AH-16S1P	3.2V150AH-16S1P	3.2V100AH-16S2P	3.2V280AH-16S1P
Metal Case	Metal						
Dimensions (mm.) (H x L x W)	570x360x140	410x320x230	600x420x160	600x420x160	560x460x225	860x540x160	780x485x240
Package Dimension(mm.) (H x L x W)	680x410x216(Carton)	445x355x265(Carton)	710x485x341(Wooden)		670x530x405(Wooden)	970x615x345(Wooden)	910x550x409(Wooden)
Weight (kg.)	N.W.:27.5Kg/G.W.: 31.6Kg	N.W.: 35Kg/G.W.: 37Kg	N.W.:47Kg/G.W.:59.8Kg		N.W.:66.3Kg/G.W.: 80Kg	N.W.:91.3Kg/G.W.: 110.4Kg	N.W.:115Kg/G.W.: 131.6Kg
Communication	RS485/RS232/CAN						
BMS	8S100A	8S150A	8S200A	16S100A	16S150A	16S200A	
Parallel	Up to 16 units						

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