



LFP48100P

LITHIUM IRON PHOSPHATE BATTERY

Voltage: 51.2V | Capacity: 100 Ah | Energy: 5120 Wh

Performance	
Specification	51.2V 100Ah
Battery Energy	5120Wh
Recommended Charge/Discharge Current	20A
Max Charge/Discharge Current	100A
Working Voltage	44~58.2Vdc (defaulted, adjustable)
General Specification	
BMS	16S 100A
Dimension(L*W*H)	480*440*160mm
Weight	Approx 45Kg
Installation	Rack mounted/Cabinet mounted/Floor stand
Charge Temperature	0°C~50°C
Discharge Temperature	-15°C~55°C
IP Rating	IP20
Cell Technology	LiFePO4
Cycle Life	Over 6000 @ 80% DOD, 25°C/0.5C
Scalability	Up to 16 units (defaulted), up to 32 units (upgraded)
Communication Port	RS485, CAN
Display	SOC & ALM & RUN status indicator, LCD screen
Terminals	M8 (dual sets of terminals)
Balance Function	Passive balance
Protection	Over charge/discharge, over current, over/under temperature, short circuit
Accessories	
Parallel Power Cable	6 AWG cable 0.3m * 2 pcs
Parallel Communication Cable	RJ45 cable 0.5m * 1 pcs
Upper Computer Connecting Cable	RJ45 to USB cable 2m * 1 pcs
Screws	M8 screw * 4 pcs

Warning

Do not immerse the battery into water or use in humid environment.

Do not expose to temperatures over 60° C.

Do not connect the positive and negative terminals of the same battery directly.

Do not reverse the positive and negative terminals.

Do not disassemble or modify battery without professional assistance.

Keep battery out of reach of children.

Please use a special charger for lithium iron phosphate batteries.



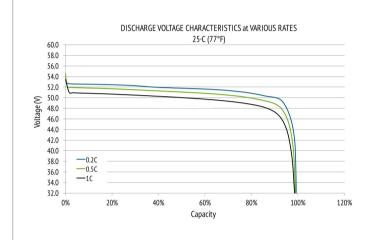


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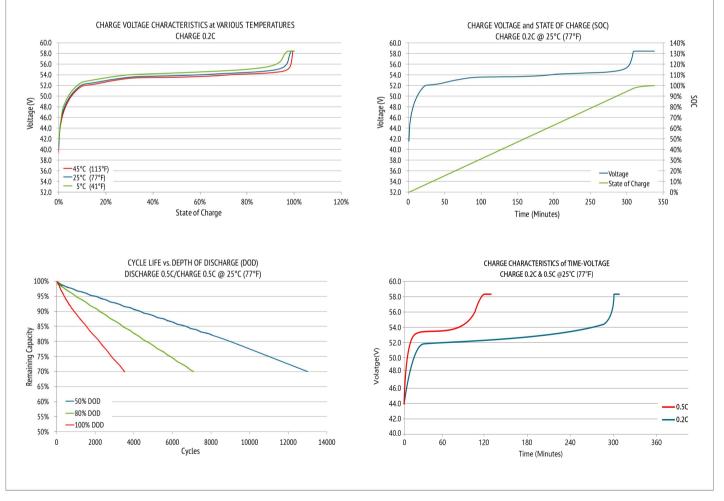
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DISCHARGE VOLTAGE CHARACTERISTICS at VARIOUS TEMPERATURES DISCHARGE 1C 60.0 58.0 56.0 54.0 52.0 50.0 Voltage (V) 48.0 46.0 44.0 42.0 40.0 45°C (113°F) - 60°C (140°F) 38.0 - 25°C (77°F) 10°C (50°F) 36.0 — 0°C (32°F) -10°C (14°F) 34.0 32.0 0% 20% 40% 60% 80% 100% 120% Capacity



CE FC ROHS MSDS UN38.3