

24V 200Ah

LITHIUM IRON PHOSPHATE BATTERY



GENERAL

Nominal Voltage	25.6 V
Working Voltage	20.0 V - 28.8 V
Nominal Capacity	200 Ah
Energy	5120 Wh
Cycle Life	>6,000 cycles @ 0.2C, 80% DoD
Calendar Life	10 - 12 years
Usable Depth of Discharge	80%
Self Discharge	≤3% Per Month

CHARGING

Charge Method	CC/CV
Rec. Charging Current	40 A
Max Charging Current	200 A
Charge Voltage	28.8 ±0.2V
BMS High Voltage Cutoff	28.8 V
Charging Temp. Range	32°F to 122°F (0°C to 50°C)
Storage Temperature	32°F to 113°F (0°C to 45°C)

DISCHARGING

Rec. Continuous Discharge	200 A
Reserve @ 25A	480 Minutes
Max Continuous Output Power	5120 W
Rec. Voltage Cutoff	22.4 V
BMS Voltage Cutoff	20.0 V
BMS Voltage Recovery	21.6 V
Discharge Temp Range	-4°F to 140°F (-20°C to 60°C)

PHYSICAL

Cell Chemistry	Lithium Iron Phosphate
Cell Type	Prismatic
Cell Configuration	8S2P
Series Connectable	Up to 2
Parallel Connectable	Up to 4
Weight	76.06 Lbs
Dimensions (LxWxH)	20.55 x 10.55 x 8.66 in
Terminal Type	M8
Shell Type	Plastic
UN Shipping Class	UN 3480

PROTECTION

Certifications	UN38.3, CE
IP Rating	IP65
Pack & Cell Over-Voltage	✓ Pack & Cell Under-Voltage ✓
Cell & BMS Over-Temp	✓ Short Circuit / Over Current ✓
	Charging Freeze ✓