

12V 20Ah

LITHIUM IRON PHOSPHATE BATTERY



GENERAL

Nominal Voltage	12.8 V
Working Voltage	10.0 V - 14.4 V
Nominal Capacity	20 Ah
Energy	256 Wh
Cycle Life	>3,000 cycles @ 0.2C, 80% DoD
Calendar Life	8-10 years
Usable Depth of Discharge	80%
Self Discharge	≤3% Per Month

CHARGING

Charge Method	CC/CV
Rec. Charging Current	4 A
Max Charging Current	20 A
Charge Voltage	14.4 ±0.2V
BMS High Voltage Cutoff	14.4 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	20 A
Reserve @ 10A	120 Minutes
Max Continuous Output Power	256 W
Rec. Voltage Cutoff	11.2V
BMS Voltage Cutoff	10.0V
BMS Voltage Recovery	10.8V
Discharge Temp Range	-4°F to 140°F (-20°C to 60°C)

PHYSICAL

Cell Chemistry	Lithium Iron Phosphate
Cell Type	Cylindrical
Cell Configuration	4S4P
Series Connectable	Up to 4
Parallel Connectable	Up to 4
Weight	4.85 Lbs
Dimensions (LxWxH)	7.09 x 6.30 x 2.99 in
Terminal Type	Shockproof Blade terminal
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 ✔