

24V 100Ah Self Heating

LITHIUM IRON PHOSPHATE BATTERY



GENERAL

Nominal Voltage	25.6 V
Working Voltage	20.0 V - 28.8 V
Nominal Capacity	100 Ah
Energy	2560 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	20 A
Max Charging Current	100 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	100 A
Reserve @ 25A	240 Minutes
Max Continuous Output Power	2560 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	8S1P
Series Connectable	Up to 2
Parallel Connectable	Up to 4
Weight	44.09 Lbs
Dimensions (LxWxH)	19.10 x 6.82 x 9.53 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 ✔