

# 12V 18Ah

## LITHIUM IRON PHOSPHATE BATTERY



### GENERAL

Nominal Voltage	12.8 V
Working Voltage	10.0 V - 14.4 V
Nominal Capacity	18 Ah
Energy	230.4 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	3.6 A
Max Charging Current	18 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	18 A
Reserve @ 10A	108 Minutes
Max Continuous Output Power	230.4 W
Rec. Voltage Cutoff	11.2 V
BMS Voltage Cutoff	10.0 V
BMS Voltage Recovery	10.8 V
Discharge Temp Range	-4°F to 140°F (-20°C to 60°C)

### PHYSICAL

Cell Chemistry	Lithium Iron Phosphate
Cell Type	Cylindrical
Cell Configuration	4S3P
Series Connectable	Up to 4
Parallel Connectable	Up to 4
Weight	4.41Lbs
Dimensions (LxWxH)	5.94 x 3.86 x 3.82 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