

## LITHIUM IRON PHOSPHATE BATTERY

ELECTRICAL PERFORMANCE	
Nominal Voltage	12.8V
Nominal Capacity	100Ah
Energy	1280Wh
Self Discharge	<3% / Month
Cells	3.2V 100Ah Cell

CHARGE PERFORMANCE	
Recommended Charge Current	20A
Maximum Charge Current	70A
Recommended Charge Voltage	14.4V-14.6V
BMS Charge Cut-Off Voltage	<14.6V
Reconnect Voltage	>14.4V
Balancing Voltage	<14.4V
Maximum Batteries in Series	4
Maximum Batteries in parallel	10

DISCHARGE PERFORMANCE	
Maximum Continuous Discharge Current	100A
Peak Discharge Current	170A(4S)
Recommended Low Voltage Disconnect	10.4V
BMS Discharge Cut-Off Voltage	>10.4 V(50 ~ 150 ms) (2.6V/Cell)
Reconnect Voltage	>11.6 V(2.9V/Cell)
Short Circuit Protection	200 ~ 500

TEMPERATURE PERFORMANCE	
Discharge Temperature	-4 ~ 140 °F (-20 ~ 60 °C)
Charge Temperature	-4 to 140 °F (-20 to 60 °C)
Storage Temperature	-4 to 140 °F (-20 to 60 °C)
BMS High Temperature Cut-Off	149 °F (65 °C)
Reconnect Temperature	131 °F (55 °C)

COMPLIANCE	
Certifications	UL1973,UL9540A,IEC62619 for cells MSDS for shipping



MECHANICAL PERFORMANCE	
Dimension (L x W x H)	10.23*7.78*8.07inch
Approx. Weight	28.2 lbs
Terminal Type	M8
Terminal Torque	80 ~ 100 in-lbs (9 ~ 11 N-m)
Case Material	Sealed Plastic
Enclosure Protection	IP50

Performance may vary depending on application. All specifications are subject to change without prior notice to the user. This data is for evaluation purposes only. No guarantee is intended or implied by this data. For clarification and updated information, please contact us.