

LITHIUM IRON PHOSPHATE BATTERY

ELECTRICAL PERFORMANCE	
Nominal Voltage	12.8V
Nominal Capacity	206Ah
Energy	2,636Wh
Self Discharge	<3% / Month
Cells	3.2V 206Ah Cell

CHARGE PERFORMANCE	
Recommended Charge Current	20A
Maximum Charge Current	50A
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	150A
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 UL1973 for battery



MECHANICAL PERFORMANCE	
Dimension (L x W x H)	13.39*9.06*10.24inch
Approx. Weight	43.43 lbs
Terminal Type	M8
Terminal Torque	80 ~ 100 in-lbs (9 ~ 11 N-m)
Case Material	Black Plastic
Enclosure Protection	IP65

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.