



BMS High Temperature Cut-Off

DIMENSIONAL SPECIFICATIONS

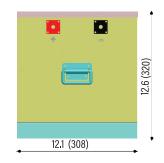
Reconnect Temperature

*Refer to charge currents below 32°F (0°C)



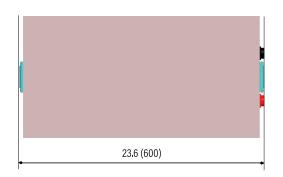
LITHIUM IRON PHOSPHATE BATTERY

ELECTRICAL SPECIFICATIONS		MECHANICAL SPECIFICATIONS	
Nominal Voltage	51.2 V	Dimensions (L x W x H)	23.6 x 12.1 x 12.6"
Nominal Capacity	150 Ah		600 x 308 x 320 mm
Capacity @ 25A	360 min	Weight	178.6 lbs (81 kg)
Energy	7680 Wh	Terminal Type	M10
Resistance	≤50 mΩ @ 50% SOC	Terminal Torque	110 - 125 in-lbs (12.2 - 14 N-
Efficiency	99%	Case Material	Steel Case
Self Discharge	<3% per Month	Enclosure Protection	IP56
Maximum Modules in Series	1 (Single Use)	Cell Type - Chemistry	Cylindrical - LiFePO ₄
DICCHARGE CDECIFICATIONS		CHARCE CDECIFICATIONS	
DISCHARGE SPECIFICATIONS	100.1	CHARGE SPECIFICATIONS	75 4 50 4
Maximum Continuous Discharge Current	100 A	Recommended Charge Current	7.5 A - 50 A
Peak Discharge Current	350 A (30 s)	Maximum Charge Current	100 A
BMS Discharge Current Cut-Off	500 A ±50 A (1000 ±500 ms)	Charge Current 14 to 32 °F (-10 to 0 °C)	≤0.1 C
Recommended Low Voltage Disconnect	44 V	Charge Current -4 to 14 °F (-20 to -10 °C)	≤0.05 C
BMS Discharge Voltage Cut-Off	36.8 V (2.3 ±0.05 vpc)	Recommended Charge Voltage	56 V - 58.4 V
Reconnect Voltage	40 V (2.5 ±0.05 vpc)	BMS Charge Voltage Cut-Off	61.6 V (3.85 ±0.05 vpc)
Short Circuit Protection	200-600 μs	Reconnect Voltage	58.4 V (3.65 ±0.05 vpc)
		Balancing Voltage	57.6 V (3.6 vpc)
TEMPERATURE SPECIFICATIONS			
Discharge Temperature	-4 to 140 °F (-20 to 60 °C)		
Charge Temperature	-4 to 113 °F (-20 to 45 °C)	COMPLIANCE SPECIFICATIONS	
Storage Temperature	14 to 95 °F (-10 to 35 °C)	Certifications	CE (battery)
RMS High Tomporature Cut Off	167 °E ± /11 °E (75 °C ±5 °C)		



167 °F ±41 °F (75 °C ±5 °C)

122 °F (50 °C)



Shipping Classification

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UL1642 & IEC62133 (cells)

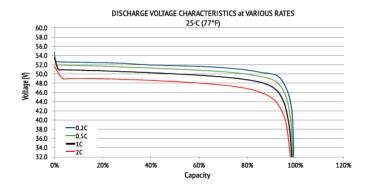
UN 3480, CLASS 9

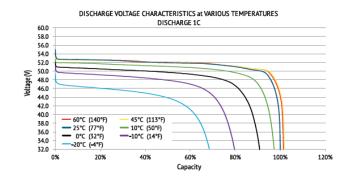


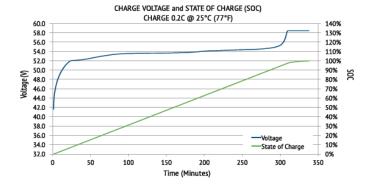


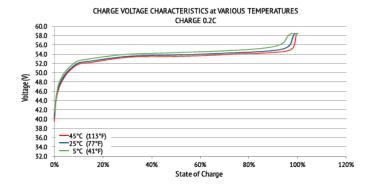


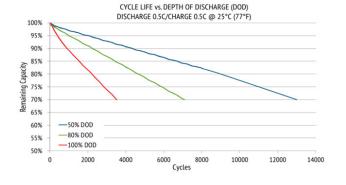
PERFORMANCE CHARACTERISTICS

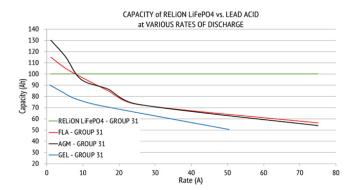




















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