







Voltage: 25.6V | Capacity: 20 Ah | Energy: 512 Wh | Group: U1

LITHIUM IRON PHOSPHATE BATTERY LifePO4

ELECTRICAL SPECIFICATIONS		
Nominal Voltage	25.6 V	
Nominal Capacity	20 Ah	
Capacity @ 25A	48 min	
Resistance	50 mΩ @ 50% SOC	
Efficiency	99%	
Self Discharge	<3% per Month	
Maximum Modules in Series	1 (Single Use)	

DISCHARGE SPECIFICATIONS	
Maximum Continous Discharge Current	30 A
Peak Discharge Current	60 A (7.5 s ±2.5 s)
BMS Discharge Current Cut-Off	170 A ±20 A (10 ±5 ms)
Recommended Low Voltage Disconnect	22 V
BMS Discharge Voltage Cut-Off	16 V (2.0 ±0.08 vpc) (20 ±6 ms)
Reconnect Voltage	20 V (2.5 ±0.05 vpc)
Short Circuit Protection	200-600 μs

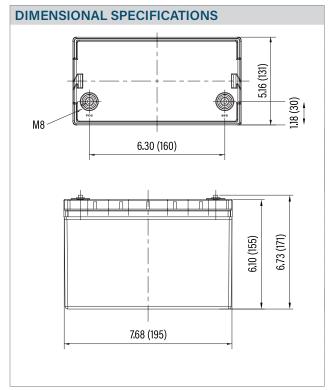
TEMPERATURE SPECIFICATIONS		
Discharge Temperature	-4 to 140 °F (-20 to 60 °C)	
Charge Temperature*	-4 to 113 °F (-20 to 45 °C)	
Storage Temperature	23 to 95 °F (-5 to 35 °C)	
BMS High Temperature Cut-Off	176 °F (80 °C)	
Reconnect Temperature	122 °F (50 °C)	

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

MECHANICAL SPECIFICATIONS		
Dimensions (L x W x H)	7.7 x 5.2 x 6.7" 195 x 131 x 171 mm	
Weight	11.9 lbs (5.4 kg)	
Terminal Type	M8 x 1.25 x 12mm	
Terminal Torque	80 - 100 in-lbs (9 - 11 N-m)	
Case Material	ABS	
Enclosure Protection	IP66	
Cell Type - Chemistry	Cylindrical - LiFePO ₄	

CHARGE SPECIFICATIONS		
Recommended Charge Current	1 A - 10 A	
Maximum Charge Current	30 A	
Charge Current 14 to 32 °F (-10 to 0 °C)	≤0.1 C	
Charge Current -4 to 14 °F (-20 to -10 °C)	≤0.05 C	
Recommended Charge Voltage	28.4 V - 29.2 V	
BMS Charge Voltage Cut-Off	31.2 V (3.9 ±0.025 vpc) (1 ±0.3 s)	
Reconnect Voltage	30.4 V (3.8 ±0.05 vpc)	
Balancing Voltage	28.8 V (3.6 ±0.025 vpc)	

COMPLIANCE SPECIFICATIONS	
Certifications	UN38.3 & CE (battery) UL1642 (cells) (File# MH64523) IEC62133 (cells) IEC62133-2 (battery)
Shipping Classification	UN 3480, CLASS 9









RB24V20

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