



RB10-PC

Voltage: 12.8V | Capacity: 10 Ah | Energy: 128 Wh

LITHIUM IRON PHOSPHATE BATTERY LiFePO4

ELECTRICAL SPECIFICATIONS		
Nominal Voltage	12.8 V	
Nominal Capacity	10 Ah	
Capacity @ 25A	24 min	
Resistance	30 mΩ	
Efficiency	99%	
Self Discharge	<3% per Month	
Maximum Modules in Series	6	

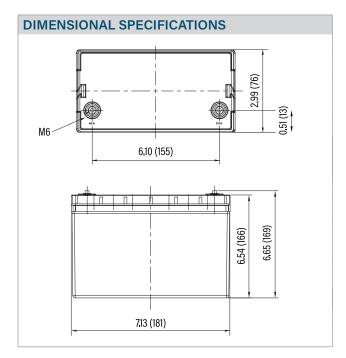
DISCHARGE SPECIFICATIONS		
Maximum Continous Discharge Current	50 A	
Peak Discharge Current	70 A (<3 s)	
BMS Discharge Current Cut-Off	275 A (±25 A)	
Recommended Low Voltage Disconnect	11 V	
BMS Discharge Voltage Cut-Off	8 V	
Reconnect Voltage	9.2 V	
Short Circuit Protection	200-800 μs	

TEMPERATURE SPECIFICATIONS	
Discharge Temperature	-4 to 140 °F (-20 to 60 °C)
Charge Temperature"	-4 to 113 °F (-20 to 45 °C)
Storage Temperature	-4 to 140 °F (-20 to 60 °C)
PCM High Temperature Cut-Off	176 °F (80 °C)
*Refer to charge currents below 32°F (0°C)	

MECHANICAL SPECIFICATIONS		
Dimensions (L x W x H)	7.1 x 3.0 x 6.7" 181 x 76 x 169 mm	
Weight	4.4 lbs (2 kg)	
Terminal Type	Charge: M4 x 0.7 Discharge: M6 x 1.0	
Case Material	ABS	
Enclosure Protection	IP66	
Cell Type - Chemistry	Cylindrical - LiFePO ₄	

CHARGE SPECIFICATIONS		
Recommended Charge Current	0.5 A - 5 A	
Maximum Charge Current	10 A	
PCM Charge Current Cut-Off	275 A (±25 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	14.2 V - 14.6 V	
PCM Charge Voltage Cut-Off	15.6 V (3.9 ±0.025 vpc) (1.0 ±0.5 s)	
Reconnect Voltage	15.2 V (3.8 ±0.05 vpc)	
Balancing Voltage	14.4 V	

COMPLIANCE SPECIFICATIONS	
Certifications	UN38.3 & CE (battery) UL1642 (cells) (File# MH62098) IEC62133 (cells)
Shipping Classification	UN 3480, CLASS 9









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