

RB35



Group: U1

LITHIUM IRON PHOSPHATE BATTERY

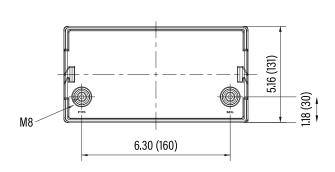
ELECTRICAL SPECIFICATIONS	
Nominal Voltage	12.8 V
Nominal Capacity	35 Ah
Capacity @ 25A	84 min
Energy	448 Wh
Resistance	≤50 mΩ @ 50% SOC
Efficiency	99%
Self Discharge	<3% per Month
Maximum Modules in Series	3

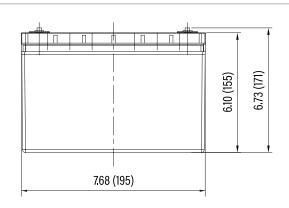
DISCHARGE SPECIFICATIONS	
Maximum Continuous Discharge Current	35 A
Peak Discharge Current	70 A (7.5 s ±2.5 s)
BMS Discharge Current Cut-Off	170 A ±20 A (20 ±5 ms)
Recommended Low Voltage Disconnect	11 V
BMS Discharge Voltage Cut-Off	8 V (2.0 ±0.08 vpc) (140 ±60 ms)
Reconnect Voltage	10 V (2.5 ±0.10 vpc)
Short Circuit Protection	200-600 μs

TEMPERATURE SPECIFICATIONS	
Discharge Temperature	-4 to 140 °F (-20 to 60 °C)
Charge Temperature	32 to 113 °F (0 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)
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Dimensions (L x W x H)	7.8 x 5.2 x 6.7"
	195 x 131 x 171 mm
Weight	11 lbs (4.8 kg)
Terminal Type	M8
Terminal Torque	80 - 100 in-lbs (9 - 11 N-m
Case Material	ABS
Enclosure Protection	IP56
Cell Type - Chemistry	Cylindrical - LiFePO ₄
CHARGE SPECIFICATIONS	
Recommended Charge Current	17.5 A
Maximum Charge Current	35 A
Recommended Charge Voltage	14.2 V - 14.6 V
DMC Ob anna Waltana Out Off	15.2 V (3.8 ±0.025 vpc)
BMS Charge Voltage Cut-Off	$(1.1 \pm 0.4 \text{ s})$
Reconnect Voltage	14.4 V (3.6 ±0.050 vpc)
Balancing Voltage	14.4 V (3.6 ±0.025 vpc)
COMPLIANCE SPECIFICATIONS	
	CE (battery)
Certifications	UN38.3 (battery)
	UL1642 & IEC62133 (cells

DIMENSIONAL SPECIFICATIONS





UN 3480, CLASS 9

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Shipping Classification

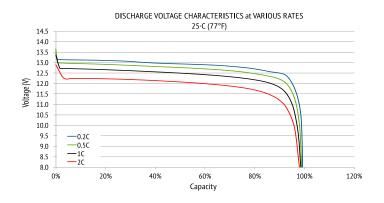


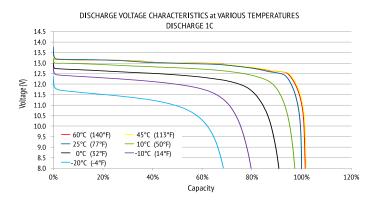
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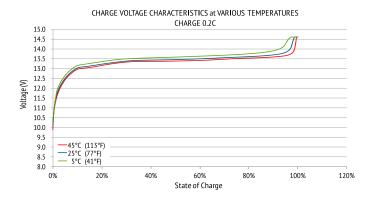


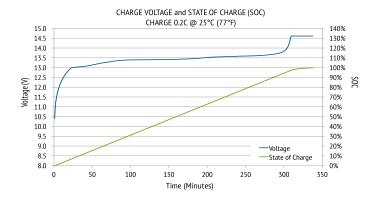
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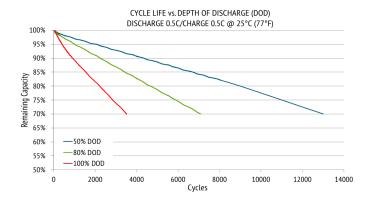
PERFORMANCE CHARACTERISTICS

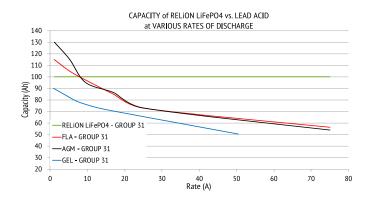












UN38,3











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