

RB75



Group: 24

LITHIUM IRON PHOSPHATE BATTERY

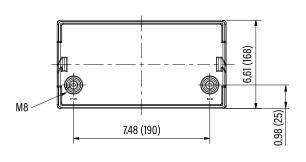
ELECTRICAL SPECIFICATIONS		MECHANICAL SP
Nominal Voltage	12.8 V	Dimensions (Ly Wy
Nominal Capacity	75 Ah	Dimensions (L x W x
Capacity @ 25A	180 min	Weight
Energy	960 Wh	Terminal Type
Resistance	≤30 mΩ @ 50% SOC	Terminal Torque
Efficiency	99%	Case Material
Self Discharge	<3% per Month	Enclosure Protection
Maximum Modules in Series	4	Cell Type - Chemistry
DISCHARGE SPECIFICATIONS		CHARGE SPECIFIC
Maximum Continuous Discharge Current	75 A	Recommended Char
Peak Discharge Current	150 A (7.5 s ±2.5 s)	Maximum Charge Cu
BMS Discharge Current Cut-Off	280 A ±50 A (9 ±4 ms)	Charge Current (0 to
Recommended Low Voltage Disconnect	11 V	Charge Current (-20

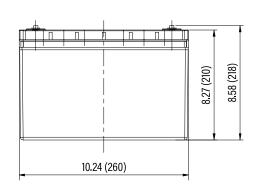
Maximum Continuous Discharge Current	75 A
Peak Discharge Current	150 A (7.5 s ±2.5 s)
BMS Discharge Current Cut-Off	280 A ±50 A (9 ±4 ms)
Recommended Low Voltage Disconnect	11 V
BMS Discharge Voltage Cut-Off	8 V (2.0 ±0.08 vpc) (140 ±60 ms)
Reconnect Voltage	9.2 V (2.3 ±0.1 vpc)
Short Circuit Protection	200-600 μs

-4 to 140 °F (-20 to 60 °C)
-4 to 113 °F (-20 to 45 °C)
23 to 95 °F (-5 to 35 °C)
176 °F (80 °C)
122 °F (50 °C)

DIMENSIONAL	SPECIFICATIONS

Dimensions (L x W x H)	10.2 x 6.6 x 8.6"
	260 x 168 x 218 mm
Weight	24 lbs (10.7 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	3.7 A - 37.5 A
Maximum Charge Current	75 A
Charge Current (0 to -10 °C)	≤0.1 C
Charge Current (-20 to -10 °C)	≤0.05 C
Recommended Charge Voltage	14.2 V - 14.6 V
BMS Charge Voltage Cut-Off	15.6 V (3.9 ±0.025 vpc) (1.1 ±0.4 s)
Reconnect Voltage	15.2 V (3.8 ±0.05 vpc)
Balancing Voltage	14.4 V (3.6 ±0.025 vpc)
COMPLIANCE SPECIFICATIONS	
Certifications	CE (battery) UN38.3 (battery) UL1642 & IEC62133 (cells)





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UN 3480, CLASS 9

Shipping Classification

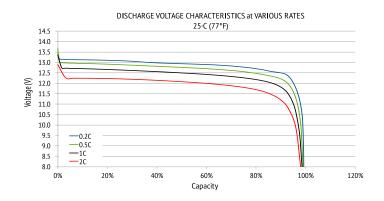


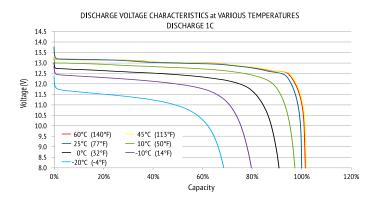


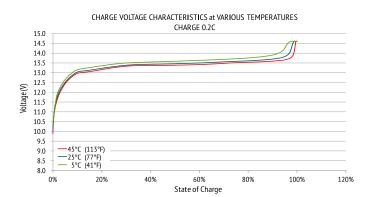


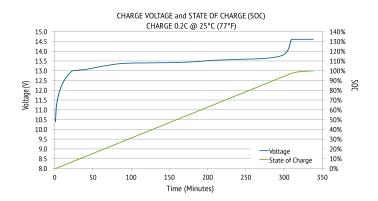
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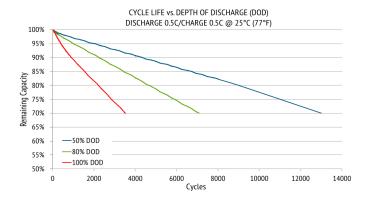
PERFORMANCE CHARACTERISTICS

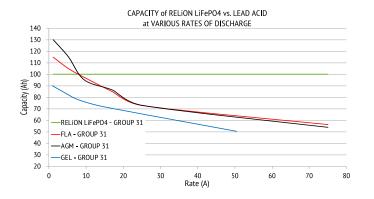












UN38.3







