





## **LITHIUM IRON PHOSPHATE BATTERY**

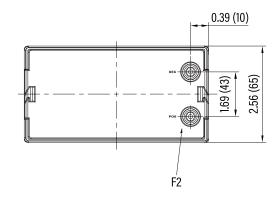
<b>ELECTRICAL</b> SPECIFICATIONS	
Nominal Voltage	12.8 V
Nominal Capacity	5 Ah
Capacity @ 25A	12 min
Energy	64 Wh
Resistance	≤130 mΩ @ 50% SOC
Efficiency	99%
Self Discharge	<3% per Month
Maximum Modules in Series	1

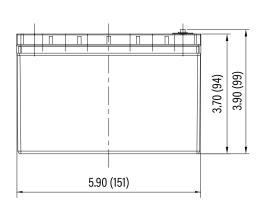
<b>DISCHARGE</b> SPECIFICATIONS	
Maximum Continuous Discharge Current	5 A
Peak Discharge Current	10 A (7.5 s ±2.5 s)
BMS Discharge Current Cut-Off	15 A ±3 A (10 ±5 ms)
Recommended Low Voltage Disconnect	11 V
BMS Discharge Voltage Cut-Off	8 V (2.0 ±0.08 vpc) (100 ±50 ms)
Reconnect Voltage	10 V (2.5 ±0.1 vpc)
Short Circuit Protection	200-500 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)

MECHANICAL SPECIFICATIONS	
Dimensions (L x W x H)	5.9 x 2.6 x 3.9" 151 x 65 x 99 mm
Weight	2.0 lbs (0.9 kg)
Terminal Type	F2
Case Material	ABS
Enclosure Protection	IP56
Cell Type	Cylindrical
Chemistry	LiFePO <sub>4</sub>
CHARGE SPECIFICATIONS	
Recommended Charge Current	2.5 A
Maximum Charge Current	5 A
Recommended Charge Voltage	14.2 V - 14.6 V
BMS Charge Voltage Cut-Off	15.6 V (3.9 $\pm$ 0.025 vpc) (1.0 $\pm$ 0.5 s)
Reconnect Voltage	15.2 V (3.8 ±0.05 vpc)
COMPLIANCE SPECIFICATIONS	
Certifications	CE (battery) UN38.3 (battery) UL1642 & IEC62133 (cells)
Shipping Classification	UN 3480, CLASS 9

## **DIMENSIONAL SPECIFICATIONS**





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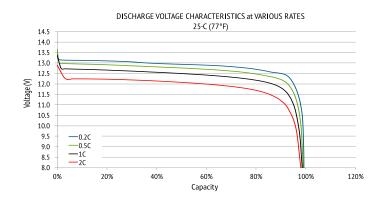


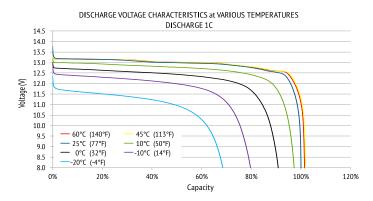


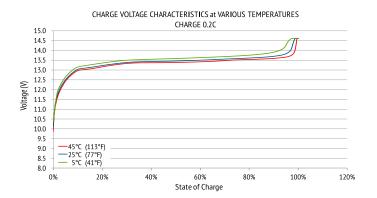


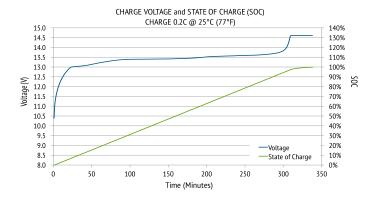
## RB5

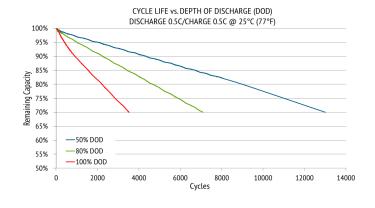
## **PERFORMANCE CHARACTERISTICS**

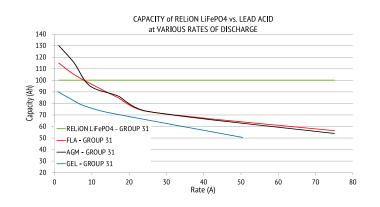












**UN38.3** 











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