

DRIVE MOTION LITHIUM DATA SHEET

LFP12.8V9AH

Electrical Specifications

Nominal Voltage	12.8 V
Nominal Capacity	9 Ah
Energy	115.2 Wh
Self Discharge	≈3% per month
Efficiency	>98%
Parallel Support	Yes, Max 2 Sets
Series Support	Yes, Max 4 Sets

Discharge Specifications

Max. Discharge Current	9 A
End of Discharge Voltage	11.2 V
Pulse Discharge Current	12 A @ 10s
Low Voltage Disconnect	10 V
Low Voltage Reconnect	11.2 V

Charge Specifications

Charging Voltage	14.6 V
Max. Charging Current	9 A
Recommended Charging Current	2 A - 9 A
High Voltage Disconnect	14.8 V
High Voltage Reconnect	13.8 V

Temperature Specifications

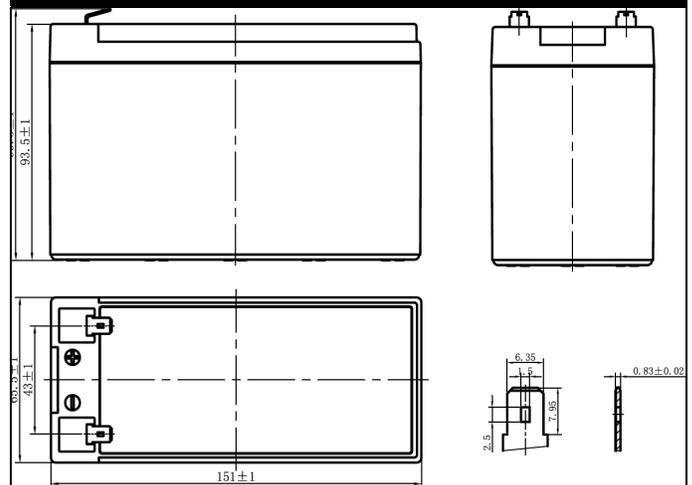
Discharge Temperature	-20°C - +55°C
Charge Temperature	0°C - +55°C
Storage Temperature	-10°C - +45°C
High Temperature Disconnect	+55°C
High Temperature Reconnect	+45°C
Low Temperature Disconnect	-20°C
Low Temperature Reconnect	-17°C

Conception & Compliance

Conception	4S3P
Cell Type	Grade A+ Cylindrical LiFePO4 cells, 21700-3 Ah
Cell Certifications	UL1973, UL9540A, UN38.3,
Battery Certifications	UN38.3, MSDS, CE
Shipping Classification	UN3480, CLASS 9



Dimensional Specifications



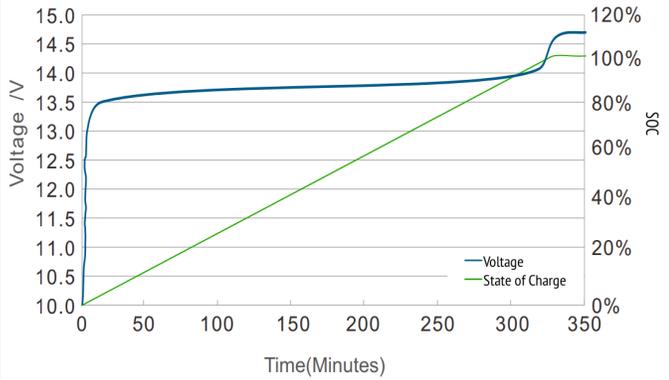
Mechanical Specifications

Dimensions	151 x 65 x 93.5 7.13 x 3.03 x 6.58
Weight	1.1 Kg (2.4 lbs)
Terminal Type	F2
Enclosure Protection	IP65

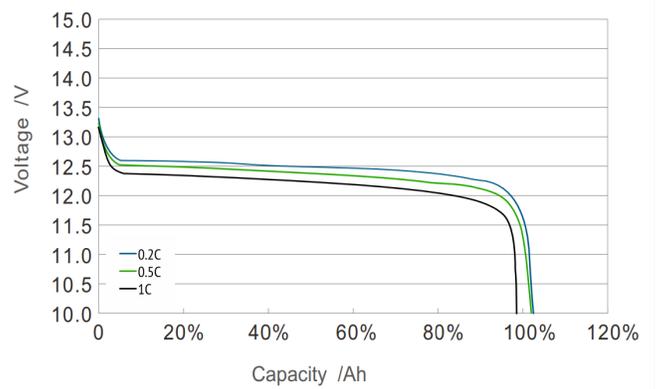
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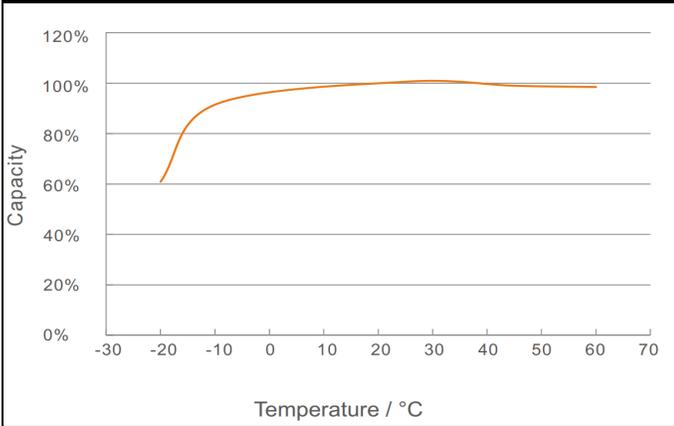
Charge Voltage & State of Charge (SOC) 0.2C@25°C (77°F)



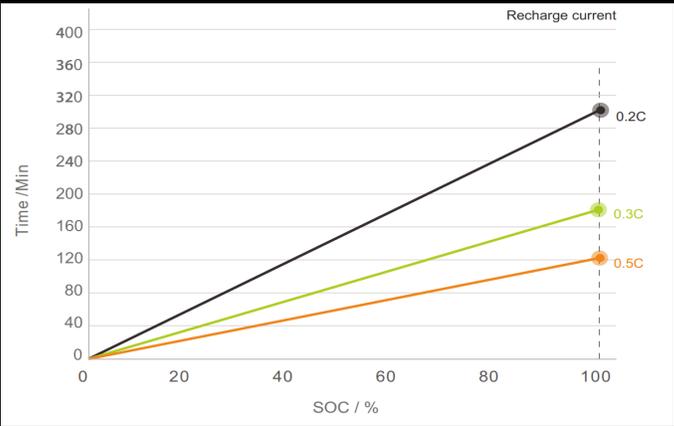
Discharge Voltage Characteristics at Various Rates 25°C (77°F)



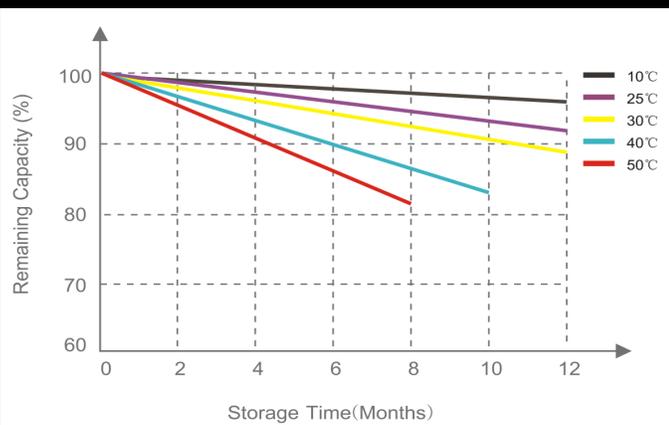
Capacity at Different Temperatures



Typical Recharge Time



Self Discharge Curve at Different Temperatures



Typical Cycle Life

