

DRIVE MOTION LITHIUM DATA SHEET

LFP12.8V100AH-MINI

Electrical Specifications

Nominal Voltage	12.8 V
Nominal Capacity	100 Ah
Energy	1280 Wh
Self Discharge	≈3% per month
Efficiency	>98%
Parallel Support	Yes, Max 4 Sets
Series Support	Yes, Max 4 Sets

Discharge Specifications

Max. Discharge Current	100 A
End of Discharge Voltage	11.2 V
Low Voltage Disconnect	10 V
Low Voltage Reconnect	11.2 V

Charge Specifications

Charging Voltage	14.2-14.6 V
Max. Charging Current	100 A
Recommended Charging Current	10 A - 50 A
High Voltage Disconnect	3.7V (CELL) 14.8 V (PACK)
High Voltage Reconnect	3.45V(CELL) 13.8 V (PACK)

Temperature Specifications

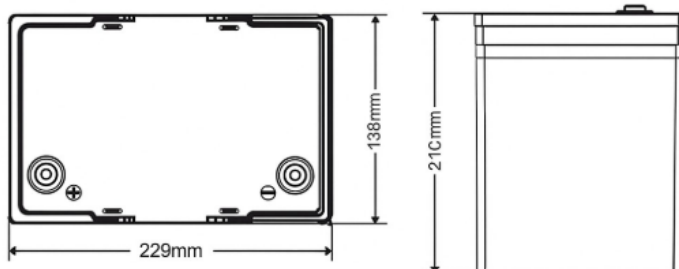
Discharge Temperature	-20°C - +55°C
Charge Temperature	-20°C - +55°C
High Temperature Disconnect	+55°C
High Temperature Reconnect	+45°C
Low Temperature Disconnect	-20°C
Low Temperature Reconnect	-17°C

Communication Specifications

Bluetooth	No
Communication Ports	No
Victron communication	No

Cycle Life Specifications per DOD %

30% Discharge	8000 < cycles
80% Discharge	5000 < cycles
100% Discharge	3500 < cycles



Mechanical Specifications

Dimensions (BCI Groupe 22NF)	229 x 138 x 210 9.02x 5.43 x 8.27
Weight	9Kg (19.8 lbs)
Terminal Type	M8
Terminal Torque	9.8N/m
IP CLASS	IP65

Conception & Compliance

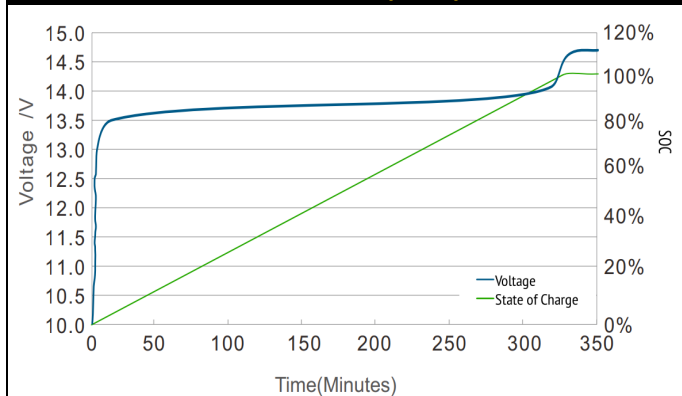
Conception	4S1P
Cell Type	Grade A+ Prismatic LiFePO4 cells (100Ah)
Cell Certifications	UL1973, UL9540A, UN38.3, ROHS, IEC62619
Battery Certifications	UN38.3, MSDS, CE,
Shipping Classification	UN3480, CLASS 9

DRIVE MOTION

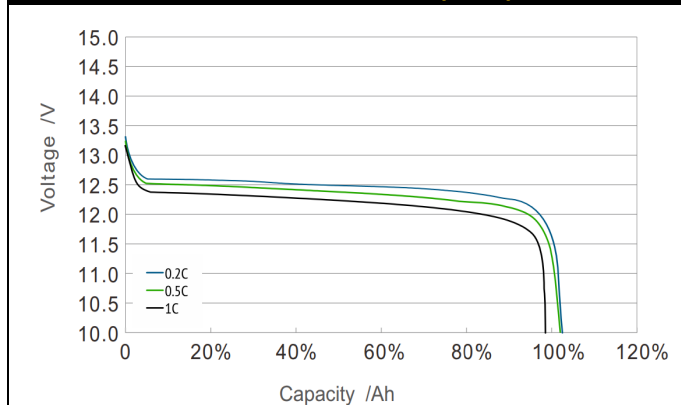
LITHIUM DATA SHEET



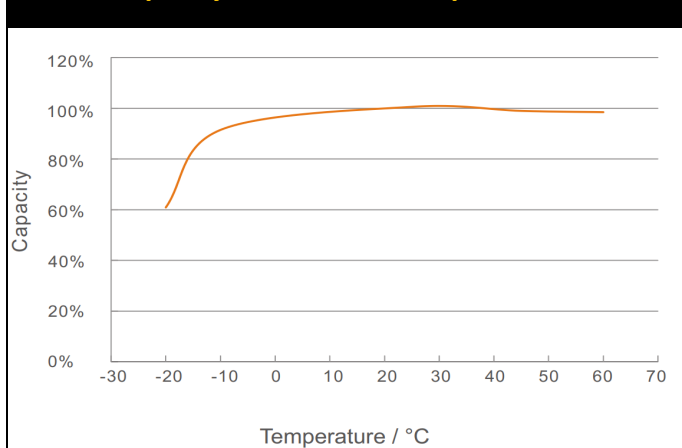
**Charge Voltage & State of Charge (SOC)
0.2C@25°C (77°F)**



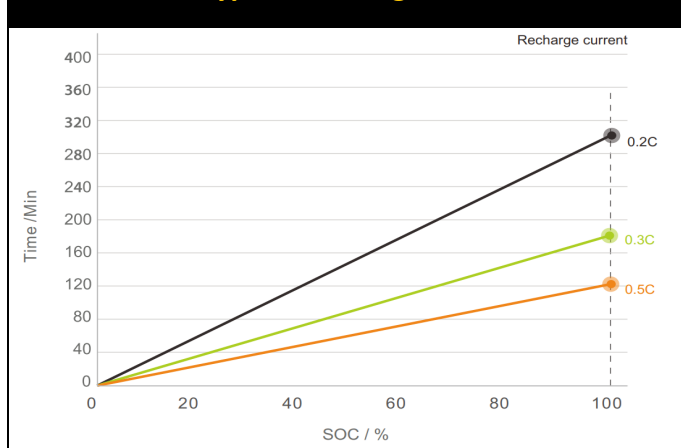
**Discharge Voltage Characteristics at
Various Rates 25°C (77°F)**



Capacity at Different Temperatures



Typical Recharge Time



Self Discharge Curve at Different Temperatures

