

NLI-12V22I / Data sheet

12V 72Ah

NITRO[®]
Lithium·LiFePO₄



SPECIFICATIONS

Electrical Specifications

Nominal Voltage	12.8 V
Nominal Capacity	72 Ah
Energy	922 Wh
Parallel Connection	Max. 10 units
Serial Connection	Max. 4 units
Circuit Protection	Over charge, Over discharge, Over current, Over temp, Short, Balance
Cycle Life	3000 cycles @ 100% DOD and 6000 @ 80% DOD
Self Discharge	Less than 3% per month
Charge Efficiency	100% @ 0.2C
Discharge Efficiency	98-100% @ 1C

Charge Specifications

Charge Voltage	14.4 ± 0.2 V
Standard Current	30 A

Discharge Specifications

Standard Current	30 A
Max. Continuous Current	60 A
Cut-off Voltage	10 V

Mechanical Specifications

BCI Group	22NF
Dimensions	230 x 138 x 208 mm High (9 1/16" X 5 7/16" X 8 3/16")
Approx Weight	8.1 kg (17.8 lbs)
Terminal Type	M8
Terminal Torque	8-12 Nm (71-106 in-lbs)
Case Color/material	Black Plastic case (ABS)
IP Rating	IP65
State of Charge Meter	Yes, State of charge gauge is optional #FG001

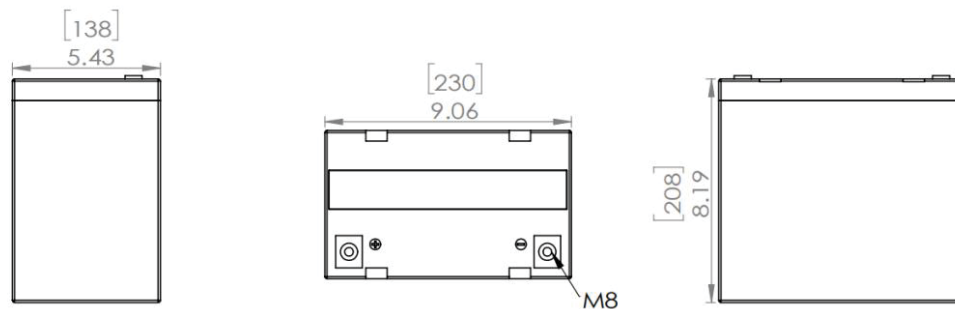
Temperature Specifications

Charge Temperature	0°C to 55°C (32°F to 131°F)
Discharge Temperature	-20°C to 60°C (-4°F to 140°F)
Storage Temperature	-5°C to 45°C (23°F to 113°F)

Certifications

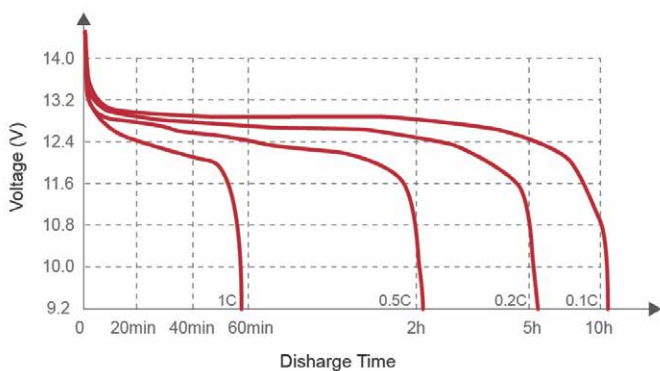
Certifications	CE, UL1642 (cells), UN38.3, IEC62133 (cells), ROHS (cells), IEC62619(cells)
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DIMENSIONS

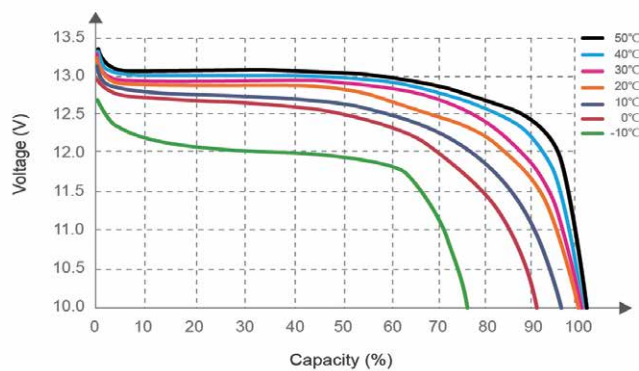


PERFORMANCES

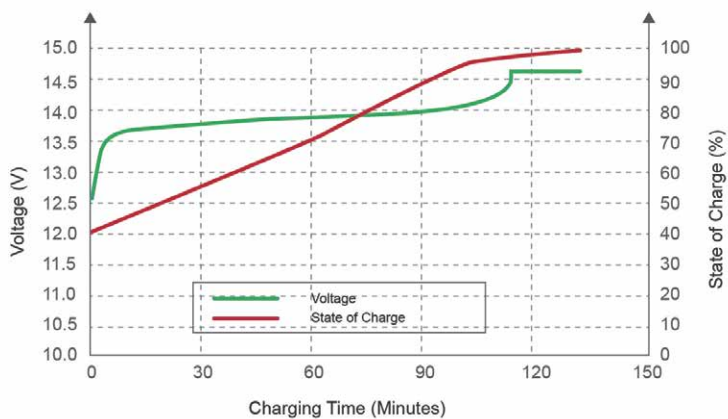
Different Rate Discharge Curve (25°C)



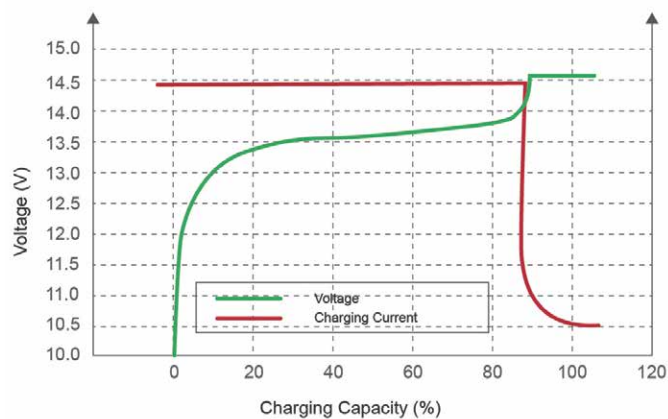
Different Temperature Discharge Curve (0.5°C)



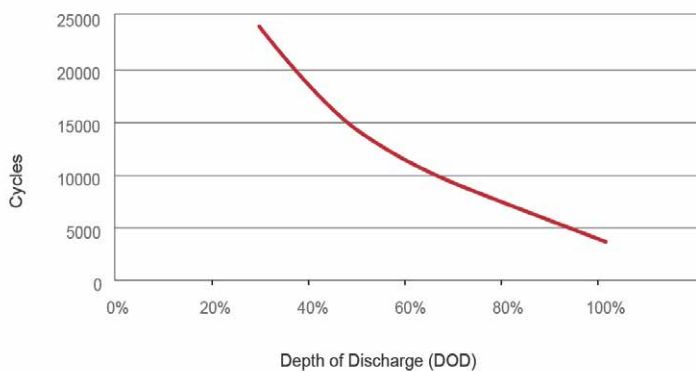
State of Charge Curve (0.5°C, 25°C)



Charging Characteristics (0.5°C, 25°C)



Different DOD Discharge Cycle Life Curve (1°C)



Different Temperature Self Discharge Curve

