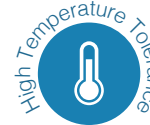


LiFe Premium N70 Series

Lithium Battery Specifications



A PREMIUM, VERSITILE OPTION FOR ACTIVITIES & LIFESTYLES ENROUTE

The N70 range offers a safe, reliable lithium option for a range of off-grid activities including motorhomes, caravans, street lighting and more.

Product Highlights:

- Free Warranty Returns
- Increased Storage Efficiency
- Flexible Capacity Design
- Multiple Install Options
- Safe Lithium Chemistry
- Compatible with AC & DC coupled Systems
- Mechanically Robust Cylindrical Cells
- Ongoing Local Support

	LiFe1213N	LiFe2413N	LiFe4813N
Nominal DC Voltage	12.8V	25.6V	51.2V
Nominal Capacity	1300Wh (1280Wh)/100Ah	1300Wh (1280Wh)/50Ah	1300Wh (1280Wh)/25Ah
Recommended Charge and Discharge	50A	25A	12.5A
Max Current (30 seconds)	150A	75A	37.5A
Continuous Charge/Discharge C-Rate	C2 (.5C)	C2 (.5C)	C2 (.5C)
Charge/Discharge Cycles (approx.)	2000@ 100% DoD / 4000@ 80% DoD / 7,000@ 50% DoD @25°C		
Operating Temperature Range	Charge: 0° to 55°C / Discharge -20° to 60°C		
Ideal Ambient Environment	0 to 45°C		
Operating Humidity (non condensing)	95%		
Battery Dimensions	342mm(L) x 172mm (L) x 214mm (H)		
Terminal Connections	M8 bolt		
Weight Module	14kg		
Operational Voltage Window	10V to 14.4V	20V to 29.2V	40V to 58.4V
BMS Over-Volt Cell Level Protection	3.9V/Cell		
BMS Under-Volt Cell Level Protection	2.0V/Cell		
BMS Over Temp Cut Off	65°C		
Self Discharge	14% Per Annum		
Lithium Composition	Lithium Ferro Phosphate (LiFePO4 or LFP)		
IP Rating	IP52		
Round Trip Efficiency	>96%		

	LiFe1213N	LiFe2413N	LiFe4813N
Cooling	Natural Convection		
Parallel Stacking	Yes		
Serial Stacking	Not Available		
Note	Specification subject to change at anytime without notice		
To Maximise Battery Life			
Shut Down SoC (Recommended)	20%	20%	20%
DC Volts Shunt Down 0% Load	12V	24V	48V
DC Volts Shut Down 100% Load	11.5V	23V	46V
Recovery / Restart Voltage	13V	26V	52V
Continuous Charge Voltage (Per Warranty)	14.4V	28.8V	57.6V
Float Voltage	14V	28V	56V
Peukerts Exponent	1.02		
100% recharge (Recommended)	7 to 14 days to keep external SoC counter accurate		
Continuous Discharge Current	50A	25A	12.5A
Continuous Charge Current	50A	25A	12.5A
Cable Size	Refer relevant manual or cable sizing standard		
Warranty	Refer Warranty document for warranty duration, installation, usage and maintenance requirements		



Residential



Commercial



Industrial



Utilities and
Telecom