

LiFe Premium N70 Series

On par with our premium range, our N70 batteries offer a safe, reliable, lithium option for a range of small scale, small capacity off-grid activities including motorhomes, caravans, street lighting and more.

-  Fast Charging
-  Infinitely Scalable
-  Lithium Chemistry



	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%		
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 charge/discharge equipment manual or cable sizing standard		
<u>Warranty</u>	<u>Refer Warranty document</u> for warranty duration, installation, usage and maintenance requirements		

Specifications correct at time of publication and are subject to change. Refer to website for latest information.