

NUE LFP 12V/24V/48V

LITHIUM ION BATTERIES

NUE's LFP (LiFePO₄) brings you the safest lithium battery chemistry available at affordable prices with the support and customer service you've come to expect from the NUE brand.

LiFePO₄ batteries do not have rare minerals and feature world class thermal stability even when put into tough physical conditions, such as heat and heavy cycling. For the client who wants only the safest chemistry for their home or business, **NUE's LFP** is the right choice.

LI-ION PERFORMANCE

Outperforms lead-acid batteries in every metric

DEEP CYCLING & LONG LIFE

Our products maintain power and reliability even when deep-cycled regularly, especially when compared to similarly priced lead-acid storage

ENERGY DENSITY

High energy density means NUE lithium-ion products weigh less and power more than comparable lead-acid batteries

AFFORDABILITY

Lower total cost of ownership

EASE OF INSTALLATION

Easy to connect in series or parallel, with the convenience of Anderson connectors for plug and play capacity



Uses:

- Industrial Storage & Backup Power
- Solar+Storage, Including Off-grid
- Golf Carts & Mobility Sector Uses
- Marine Applications
- Mobile/portable Power Applications
- Challenging Climates, such as high heat environments



CLICK TO CONTACT US TODAY



NEW USE ENERGY SOLUTIONS, INC. • newuseenergy.com • sales@newuseenergy.com

941 S. Park Lane, #118, Tempe AZ 85281 • +1 202 222 0992

/newuseenergy

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SPECIFICATIONS

Product Name	NUE LFP 12V	NUE LFP 24V	NUE LFP 48V
DC Energy Capacity (100% Useable)	2176Wh (2+ kWh)	4352Wh (4+ kWh)	5300Wh (5+ kWh)
Battery Family	Lithium Iron Phosphate, Lithium Ion (LFP)		
Nominal Capacity	170Ah		
Nominal DC Voltage	12 V	24 V	48 V
Max. Charge Voltage	14.6V	29.2V	58.8V
End of Discharge Voltage	9V	17.5V	43V
Max. Continuous Charge Current	175A		130A
Max. Peak Current (6 seconds)	350A		
Voltage Range	8.5V - 15V	17V - 30V	43V - 58.8V
High Voltage Protection	14.6V	29.2V	58.8V
Weight & Dimensions	49 lbs / 22.3 kg 10.3" x 7.1" x 11.9" (inches) 262 mm x 180 mm x 323 mm	92 lbs / 42 kg 10.3" x 7.1" x 20.6" (inches) 262 mm x 180 mm x 523 mm	100 lbs / 45 kg 10.3" x 9.5" x 21" (inches) 262 mm x 241 mm x 533 mm
Design Cycle Life	8,000 cycles		
Chemistry	LiFePO4		
Storage Temperature	-20°C – 35°C (6 months MAXIMUM)		
Discharging Temperature	0°C – 55°C		
Charging Temperature Range	0°C – 55°C		
Optimal Temperature Settings	25C, SOC0-100% charging/discharging (optimal)		
Efficiency	>95% DC – DC DEPENDING ON APPLICATION		
Fuse Protection	Short Circuit Current: Fused @ 300A		
Breakers	Yes		
Design Life	10+ years		
Estimated Cycle Life @ Depth of Discharge	10,000+ @30% DOD 8,000 @50% DOD 6,000 @90% DOD		
Connectivity	Battery level BMS; Anderson SB175 connectors		
Warranty	10 year pro-rata manufacturers warranty; conditions apply		
Disclosures & Warnings	<p>Flames or high heat are dangerous with Li-ion; do not use around flames or at temperatures higher than 60°C</p> <p>DO NOT disassemble the battery.</p> <p>DO NOT use a battery with scar or deformation.</p> <p>DO NOT puncture or open battery cells.</p> <p>*Specifications and pricing are subject to change at the discretion of NUE.</p>		

* The data shown here was obtained from the manufacturer and represents their assessments at the time of printing. The manufacturer reserves the right to make changes at any time.



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