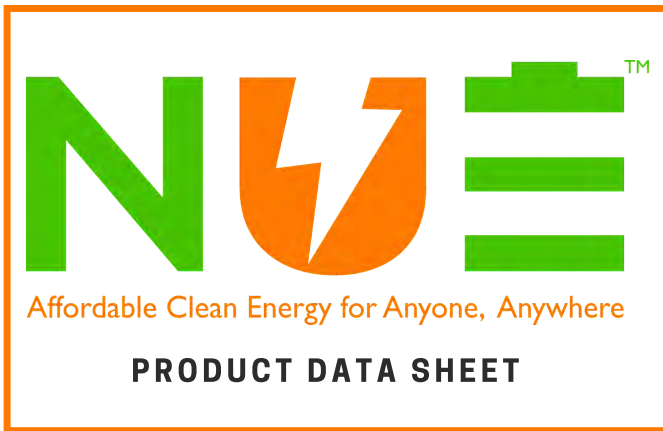


NUE LFP 12V / 24V



LITHIUM AT THE PRICE OF LEAD ACID

NUE's LiFePO₄ brings clients the safest lithium battery chemistry available at prices they can afford, with the support and customer service they'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.

NUE LFP batteries - available in 12V / 24V, are perfect in a range of different applications:

- Industrial storage and backup power
- Solar+Storage, including off-grid applications
- Golf carts and mobility sector uses
- Marine applications
- Mobile / portable power applications
- Telecommunications / Broadband
- Challenging climates, such as high heat environments

Check out the below photos for a couple of different applications!



CONTACT US

sales@newuseenergy.com
+1 202 222 0992

WHY NUE LITHIUM?

01

LI-ION PERFORMANCE

Li-ion performance characteristics at the price of Lead Acid!

02

DEEP CYCLE LIFE

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

03

ENERGY DENSITY

High energy density means NUE-S lithium-ion products weigh less and power more for the price.

04

AFFORDABILITY

We innovate in our supply chain and sourcing to deliver savings to our customers.

05

EASE OF INSTALLATION

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



Affordable Clean Energy for Anyone, Anywhere

CONTACT US

New Use Energy Solutions, Inc.
 3825 E. Camelback Road
 Phoenix, AZ 85018
 sales@newuseenergy.com
 +1 202 222 0992

SPECIFICATIONS

Product Name	NUE LFP 12V	NUE LFP 24V
DC Energy Capacity (100% Useable)	2176Wh (2+ kWh)	4352Wh (4+ kWh)
Battery Family	Lithium Iron Phosphate, Lithium Ion (LFP)	
Nominal Capacity	170Ah	
Nominal DC Voltage	12 V	24 V
Max. Charge Voltage	14.6V	29.2V
End of Discharge Voltage	9V	17.5V
Max. Continuous Charge Current	175A	
Max. Peak Current (6 seconds)	350A	
Voltage Range	8.5V-15V	17V-30V
High Voltage Protection	14.6V	29.2V
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
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 60C</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.