



# Lithium-ion and lithium iron phosphate outdoor power supplies





## Overview

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Understanding the key distinctions between lithium iron phosphate batteries and traditional lithium-ion batteries is essential. Your choice depends on which features are most important for your application. Therefore, people often make a series of comparisons between these two types of batteries. They are used in many different industries. Lithium. Discover NPP's Outdoor Integrated Energy Storage System, a cutting-edge solution that seamlessly combines lithium iron phosphate batteries, advanced Battery Management System (BMS), Power Conversion System (PCS), Energy Management System (EMS), HVAC technology, Fire Fighting System (FFS). Lithium-ion batteries and lithium iron phosphate batteries are two commonly used technologies, each with unique advantages and limitations. Li-ion batteries, celebrated for powering our portable world, face scrutiny over safety and ecological.



## Lithium-ion and lithium iron phosphate outdoor power supplies



### Lithium Iron Phosphate Battery Vs. Lithium-Ion

These batteries are utilized in diverse applications, including electric vehicles, renewable energy storage systems, uninterruptible power supplies (UPS), and portable electronics, thanks to ...

### Lithium Iron Phosphate vs Lithium Ion

While both lithium ion and lithium iron phosphate batteries are considered safe to use, it is crucial to take note that their safety is based on several factors.





12.8V6Ah

- Nominal voltage (V):12.8
- Nominal capacity (Ah):6
- Rated energy (WH):76.8
- Maximum charging voltage (V):14.6
- Maximum charging current (A):6
- Floating charge voltage (V):13.6-13.8
- Maximum continuous discharge current (A):10
- Maximum peak discharge current @10 seconds (A):20
- Maximum load power (W):100
- Discharge cut-off voltage (V):10.8
- Charging temperature (°C):0-+50
- Discharge temperature (°C):-20-+60
- Working humidity: <math>\leq 95\% RH</math> (non condensing)
- Number of cycles (25 °C, 0.5C, 100%DoD): >2000
- Cell combination mode: 32700-4\*1p
- Terminal specification: T2 (6.3mm)
- Protection grade: IP65
- Overall dimension (mm):50\*70\*107mm
- Reference weight (kg):0.7
- Certification: un38.3/msds



- LIQUID/AIR COOLING
- ON GRID/HYBRID
- PROTECTION IP54/IP55
- BATTERY /6000 CYCLES

### Lithium Iron Phosphate vs Lithium-Ion Batteries (What's the Difference?)

(Updated hourly!) If you're only just beginning to learn about batteries and you only want to know the bare-bone basics of the difference between lithium-ion and lithium iron phosphate batteries, then ...

### What's the Difference Between Lithium-Ion Battery and Lithium Iron

Up to 6% cash back · Lithium-ion batteries and lithium iron phosphate batteries are two commonly used technologies, each with unique advantages and limitations. This article will ...



## LiFePO4 vs Lithium-Ion A 2026 Application Guide

Deciding between LiFePO4 vs lithium-ion? Lithium Iron Phosphate batteries offer superior safety and a much longer lifespan, ideal for home storage and RVs.

### [Lithium Iron Phosphate Batteries and the HomeGrid Stack'd Series](#)

LFP batteries have a wide range of applications, including electric vehicles (EVs), renewable energy storage, uninterruptible power supplies (UPS), and off-grid systems. Their safety, longevity, and high ...



### [Lithium-ion vs Lithium Iron Phosphate Batteries: Indepth](#)

Explore the key differences between Lithium-ion vs Lithium Iron Phosphate Batteries. We answer your questions and reveal which type is better.

## [LITHIUM IRON PHOSPHATE VS. LITHIUM-](#)



## ION: DIFFERENCES ...

Overall, the advantages of lithium iron phosphate batteries lie in stronger safety and stability, and long service life; the advantages of lithium-ion batteries lie in high voltage and low cost. ...



## **Outdoor Integrated Energy Storage System**

Our innovative modular design caters to diverse application needs, offering eco-friendly, high-yield solutions. Backup power , Supply power to the load when the power grid is out of power, or use as ...



## **Lithium Iron Phosphate versus Lithium Ion**

This article gives a comparative analysis of lithium iron phosphate and lithium ion. It elaborates on chemical composition, energy density, durability, safety, performance, environmental impact, typical ...





## Contact Us

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