



# LFP 12V Series Battery

What is a 12V LFP battery?

12V, 100Ah LFP Battery (ABS, BLF-12100AS): The powerhouse for demanding applications, offering unmatched endurance and reliability. ...and many more tailored options designed for performance and durability. At Bioenno Power, we're not just selling batteries; we're empowering you to explore further, work smarter, and live better.

What are LFP batteries used for?

4) as the cathode material, and a graphitic carbon electrode with a metallic backing as the anode. Because of their low cost, high safety, low toxicity, long cycle life and other factors, LFP batteries are finding a number of roles in vehicle use, utility-scale stationary applications, and backup power. LFP batteries are cobalt-free.

What is the specific energy of a LFP battery?

The specific energy of LFP batteries is lower than that of other common lithium-ion battery types such as nickel manganese cobalt (NMC) and nickel cobalt aluminum (NCA). As of 2024, the specific energy of CATL's LFP battery is currently 205 Watt-hours per kilogram (Wh/kg) on the cell level.

How much do LFP batteries cost?

By early 2024, VDA -sized LFP cells were available for less than RMB 0.5/Wh (\$70/kWh), while Chinese automaker Leapmotor stated it buys LFP cells at RMB 0.4/Wh (\$56/kWh) and believe they could drop to RMB 0.32/Wh (\$44/kWh). By mid 2024, assembled LFP batteries were available to consumers in the US for around \$115/kWh.

What is a bioenno power 12V 20Ah LiFePO4 battery?

The Bioenno Power 12V 20Ah LiFePO4 Battery (BLF-1220A) offers a powerful, reliable, and safe energy solution, making it an excellent choice for anyone seeking a high-capacity battery for demanding applications. Its robust design and advanced safety features ensure it delivers optimal performance consistently. Upgrade your power solution today!

What is the difference between a lithium ion battery and a LFP battery?

The LFP battery uses a lithium-ion-derived chemistry and shares many advantages and disadvantages with other lithium-ion battery chemistries. However, there are significant differences. Iron and phosphates are very common in the Earth's crust. LFP contains neither nickel nor cobalt, both of which are supply-constrained and expensive.



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