

12V 30Ah LiFePO4 Inverter Battery | 12.8V Rechargeable Lithium Batte

SKU / Model: Not specified

PRODUCT OVERVIEW

Parameter Specification Battery Type LiFePO4 (Lithium Iron Phosphate) Nominal Voltage 12.8V
Capacity 30Ah Energy ~384 Wh Max Charge Voltage 14.6V Recommended Charge Current <=15A BMS
Integrated Smart BMS Cycle Life >=3000 cycles @ 80% DoD Charging Method CC / CV Operating
Temperature -10°C to +60°C Storage Temperature 0°C to +25°C

TECHNICAL SPECIFICATIONS

Nominal Voltage: 12V
Capacity: 30Ah
Energy: 384 Wh
Chemistry: lead-acid
Maximum / BMS Current: 15A
Cycle Life: 3000 cycles
Charging Voltage: 14.6V
Product Category: HOME INVERTER BATTERIES

PRODUCT DESCRIPTION

12V 30Ah LiFePO4 Inverter Battery | 12.8V Rechargeable Lithium Battery The 12V 30Ah LiFePO4 Inverter Battery is a compact, long-life, and high-efficiency energy storage solution designed for home inverters, backup power systems, and small solar setups. Built using advanced Lithium Iron Phosphate (LiFePO4) cells and protected by a smart Battery Management System (BMS), this battery delivers superior safety, stable voltage output, and excellent durability. Operating at a nominal voltage of 12.8V, this lithium battery is a direct replacement for traditional 12V lead-acid inverter batteries, offering faster charging, deeper discharge, lighter weight, and up to 5 10×longer lifespan. The integrated BMS protects against overcharge, over-discharge, over-current, short circuits, and overheating, ensuring worry-free daily use. This battery is ideal for home inverter systems, emergency lighting, routers, fans, LED lights, small UPS systems, and solar power applications. ? Key Benefits ? Long Cycle Life 3000+ cycles @ 80% DoD ? High Safety Stable LiFePO4 chemistry ? Consistent 12.8V Output Reliable inverter performance ? Lightweight & Compact Easy installation ? Fast Charging Support ? Low Self-Discharge Ideal for standby backup ? Maintenance-Free Operation ? Eco-Friendly & Non-Toxic ? Key Features ? Nominal Voltage: 12.8V ? Capacity: 30Ah ? Battery Chemistry: LiFePO4 (Lithium Iron Phosphate) ? Built-in Smart BMS ? Over-Charge & Over-Discharge Protection ? Over-Current & Short-Circuit Protection ? Temperature Protection ? Deep Discharge Capability (80 90%) ? Direct Replacement for 12V Lead-Acid Batteries ? Ideal Applications ? Home inverter systems ? Power backup for lights & fans ? Routers, CCTV & networking equipment ? Solar home systems ? Emergency lighting systems ? Small UPS & DC power systems ? Portable power applications

