

48V 30Ah LiFePO4 Inverter Battery 51.2V Rechargeable Lithium Batterie

SKU / Model: Not specified

PRODUCT OVERVIEW

Feature Details Battery Type LiFePO4 (Lithium Iron Phosphate) Nominal Voltage 51.2V Capacity 30Ah Energy 1536 Wh Cycle Life 4000+ Cycles Built-in BMS Yes Maintenance Maintenance-Free Applications Inverter, Solar, UPS, Telecom

TECHNICAL SPECIFICATIONS

Nominal Voltage: 48V
Capacity: 30Ah
Energy: 1536 Wh
Chemistry: lead-acid
Cycle Life: 4000+ Cycles
Product Category: HOME INVERTER BATTERIES

PRODUCT DESCRIPTION

48V 30Ah LiFePO4 Inverter Battery 51.2V Rechargeable Lithium Battery The 48V 30Ah LiFePO4 Inverter Battery is a powerful and reliable energy storage solution designed for medium-load 48V inverter and solar power systems. With a stable 51.2V output, this rechargeable lithium battery delivers excellent efficiency, faster charging, and a much longer service life compared to traditional lead-acid batteries. Built using advanced Lithium Iron Phosphate (LiFePO4) cells and integrated with a smart Battery Management System (BMS), it ensures high safety, consistent power delivery, and dependable long-term performance. ? Key Features High Capacity: 30Ah for extended backup time Long Cycle Life: 4000+ charge/discharge cycles Smart BMS Protection: Over-charge, over-discharge, short-circuit, over-current & temperature protection Fast Charging: Reduced charging time and improved efficiency Lightweight & Compact: Easier handling compared to lead-acid batteries Maintenance-Free: No water topping or acid leakage Safe & Eco-Friendly: Stable, non-toxic LiFePO4 chemistry ? Applications 48V home and office inverter backup systems Solar energy storage (on-grid & off-grid) UPS and emergency power backup Telecom and networking equipment CCTV and security systems Industrial control panels Portable and off-grid power solutions ? Performance Highlights Stable 51.2V output under continuous and peak loads Deep discharge capability without reducing battery life Low self-discharge for long standby storage High energy efficiency for maximum usable power ? Eco-Friendly & Cost-Effective Non-toxic and recyclable LiFePO4 chemistry Long lifespan reduces replacement costs No harmful gas emissions Supports clean and renewable energy systems