

51.2V 120Ah LiFePO4 Inverter Battery 6.14kWh Rechargeable Lithium

SKU / Model: Not specified

PRODUCT OVERVIEW

? Technical Specifications Battery Type: Lithium Iron Phosphate (LiFePO4) Nominal Voltage: 51.2V Capacity: 120Ah Energy: 6144Wh (6.14kWh) Cycle Life: 4000 6000 cycles Recommended Depth of Discharge: 80 90% Protection: Overcharge, Over-discharge, Overcurrent, Short Circuit & Temperature Protection Communication (Optional): RS485 / CAN Applications: Solar inverter systems, hybrid setups, UPS, off-grid systems

TECHNICAL SPECIFICATIONS

Nominal Voltage: 51.2V
Capacity: 120Ah
Energy: 6.14kWh
Chemistry: lead-acid
Cycle Life: 6000 cycles
Product Category: HOME INVERTER BATTERIES

PRODUCT DESCRIPTION

51.2V 120Ah LiFePO4 Inverter Battery 6.14kWh Rechargeable Lithium Battery The 51.2V 120Ah LiFePO4 Inverter Battery is a high-capacity energy storage solution designed for solar systems, hybrid inverters, and reliable backup power applications. With a powerful 6.14kWh (6144Wh) energy capacity, this battery ensures stable performance, deep discharge capability, and long operational life. Built using advanced Lithium Iron Phosphate (LiFePO4) technology, it offers enhanced safety, superior thermal stability, and significantly longer lifespan compared to traditional lead-acid batteries making it ideal for residential, commercial, and light industrial use. ? Key Features ? Nominal Voltage: 51.2V ? Rated Capacity: 120Ah ? Energy Capacity: 6.14kWh (6144Wh) ? Long Cycle Life: 4000 6000+ cycles @ 80% DoD ? Advanced Built-in BMS Protection ? High Energy Efficiency (>95%) ? Deep Discharge Support (Up to 90%) ? Fast Charging Capability ? Maintenance-Free Operation ? Safe & Eco-Friendly Chemistry ? Ideal Applications Residential solar energy systems Hybrid & off-grid inverter installations Home backup power systems Commercial & office UPS systems Telecom backup solutions Small industrial energy storage ? Advantages Over Lead-Acid Batteries 3 5x longer lifespan Higher usable energy capacity Faster charging & better efficiency Lightweight & compact design Zero maintenance Lower long-term ownership cost ? Package Includes 51.2V 120Ah LiFePO4 Battery User Manual Warranty Card ? Reliable & Long-Lasting Performance Manufactured using premium Grade-A lithium cells and equipped with an intelligent Battery Management System (BMS), ensuring maximum safety, stable output, and extended battery life.