

Power pack LiFePo4 4S 12.8V 30000mAh 4S5P 3C with BMS 90A Disch

SKU / Model: Not specified

PRODUCT OVERVIEW

Parameter Specification Battery Type LiFePO4 (Lithium Iron Phosphate) Configuration 4S5P
Nominal Voltage 12.8V Rated Capacity 30,000mAh (30Ah) Energy Output ~384Wh Standard
Discharge Current 50A Peak Discharge Current 40A Charging Voltage 14.6V Recommended Charging
Current 10A 20A Cycle Life 4000+ Cycles (at 80% retention) Operating Temperature (Charge)
0°C to +45°C Operating Temperature (Discharge) 20°C to +60°C Storage Temperature 5°C to
+45°C Built-in BMS Protection Over-charge, Over-discharge, Over-current, Short-circuit,
Thermal protection (SMART BMS OPTIONAL) Connector Options XT60 / XT90 / Anderson / M6
Terminals Case Options Heat Shrink / ABS Case / Rugged IP65 Case Dimensions (L ×W ×H) 200
×120 ×150 mm (varies with casing) Weight ? 4.2 4.8 kg based on configuration

TECHNICAL SPECIFICATIONS

Nominal Voltage: 12.8V
Capacity: 30000mAh
Energy: 384Wh
Chemistry: LiFePo4
Maximum / BMS Current: 90A
Cycle Life: 4000+ Cycles
Charging Voltage: 14.6V
Product Category: 4 Cell 12V LiFePo4 (LFP) Battery Pack (12.8V-14.6V)

PRODUCT DESCRIPTION

Power Pack LiFePO4 4S 12.8V 30000mAh (30Ah) 4S5P 3C Battery Pack with 90A BMS High
Discharge LFP Battery The Power Pack LiFePO4 12.8V 30Ah (30000mAh) battery is engineered for
high-performance deep-cycle applications where reliability, long lifespan, and high
discharge capability are critical. Built using Grade-A LiFePO4 cylindrical cells in a 4S5P
configuration and an intelligent 20A BMS, this battery delivers consistent power output with
enhanced protection against: Over-charge Over-discharge Over-current Short circuit Cell
balancing Thermal overload This battery is ideal for demanding power applications such as
solar backup systems, EVs, e-bikes, UPS, robotics, marine, and field equipment requiring
high discharge current. Key Features High Discharge Capability (90A) ideal for motors and
heavy load applications Long lifespan (up to 10 years) outperforming Lead-Acid 5 10×High
usable capacity (up to 95%) Excellent thermal stability for safe operation Fast charging
support (up to 20A) Maintenance-free and zero memory effect Eco-friendly, non-toxic, and
safe chemistry Applications This battery pack is suitable for: ? Solar Energy Storage?
Inverters & UPS Power Backup? Electric Scooter / E-Bike / Wheelchair? Power Tools &
Robotics? Camping & Caravan Power Systems? Boat, RV, Marine & Portable Power? Medical &
Industrial Equipment Optional Customization XT90, Anderson, or aviation connector

PRODUCT DATASHEET

Waterproof IP-rated enclosure High-current cables (10AWG / 8AWG) Parallel or series expansion (12.8V, 24V, 48V systems) Smart Bluetooth BMS upgrade Included with the Battery Installed BMS (20A) Terminal Leads Quality & Safety Test Report