

FEATURES

- The battery unit is equipped with protection against short circuit currents (BMS)
- BMS balances the cells in order to guarantee longer battery life
- Wide operating temperature range of 20°C to 60°C
- Battery life expectancy is up to 5 times longer than standard lead acid batteries
- LiFePO4 is approximately 70% lighter than standard lead acid batteries

RS PRO 12.8V Lithium Iron Phosphate Rechargeable Battery Pack, 12Ah

RS Stock No.: 182-8654



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

Introducing the RS PRO LiFePO₄ (Lithium Iron Phosphate) Rechargeable Battery, ideal for use on electric vehicles, as a backup power source and more. The LiFePO₄ technology in these RS PRO batteries operate at a lower resistance than standard lead acid counterparts and subsequently offer a much faster recharge rate, while also being able to withstand a wide range of temperature changes. By offering reliability with outstanding performance, this lightweight battery is versatile and suitable for use on a wide range of applications, making this cost-effective and high-quality RS PRO battery the first choice for your rechargeable battery requirements.

General Specifications

Chemistry	Lithium Iron Phosphate
Terminal Type	T2
Cycle Life At 80%	>2000 cycles
Application	Emergency Lighting; Commercial; Industrial

Electrical Specifications

Nominal Voltage	12.8V
Capacity	12Ah
Maximum Charge Voltage	14.6±0.2V
Standard Charge (16H)	6A
Internal Resistance (At 1000HZ)	≤50mΩ
Cut-Off Voltage	15.6V±0.2V
Energy	153.6Wh
Continuous Current	24A
Maximum Pulse Current	30A(<3S)

Mechanical Specifications

Length	151±1 mm
Width	98 ±1 mm
Height	95 ±1 mm
Weight	1.70kg
Relative Humidity	60±25%

Operation Environment Specifications

Charge Temperature Range	0°C to 45°C
Discharge Temperature Range	-20°C to 60°C
Storage Temperature Range	0°C to 40°C

Approvals

Compliance/Certifications	EN61340
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