

# SF-30 12.8V 30AH LiFePO4-Li Battery

Solmax New Energy B.V.  
www.solarfam.nl

## Advantages of SF-30



**light weight:** SF-30 less than half of the capacity-equivalent lead acid battery.

**Cycle life:** Longer than traditional batteries, with up to 2,000 charge and discharge cycles.

**Body design:** The entire body is made of ABS+PC flame-retardant material using a single mold. The product is aesthetically pleasing, has a robust structure and designed for easy standardization.

**PCB Board:** The confluence and voltage detection are routed through the PCB board, featuring a simple wiring design that significantly reduces the failure rate. Each cell is connected in series with a fuse, which melts and disconnects the circuit in the event of constant over-current, effectively preventing fire risks.

**BMS Protection:** The Battery Management System (BMS) balances voltage to ensure optimal battery performance. Each battery has an integrated BMS that protects it from extreme conditions, enhancing safety and reliability.

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## · Battery parameters

Nominal voltage	12.8V
Voltage range	9.2~14.6V
Nominal capacity	30Ah/384Wh
parallel connection	NOT Support
series connection	NOT Support
Control	Battery management system (BMS) 40A
Case material	ABS+PC
Cell assembly	6Ah *24pcs
Dimension	190mm(L)*125mm(W)*170mm(H)
Weight	4.24KG

## · Charging/Discharging parameters

Recommended Max. Charge Current	30A
Max charge current	40A
Max discharge current	40A
Charge Cut-off Voltage	14.6V
Discharge Cut-off Voltage	10.5V