

SBM-H High Voltage Stacked Lithium Energy Storage Battery

Number of battery modules: 102.4V 50Ah

- BMS protection
- Stacked design
- Home energy storage
- Intelligent communication



(Ultra thin version)

(Regular style)

Product Introduction

The SBM-H High voltages stacked lithium energy storage battery, uses high cycle lithium iron phosphate cells, a high-performance BMS protection and management battery system, and can stack up to 7 modules per group (including the BMS main control layer). Multiple groups can be freely combined to achieve 2-8 battery modules in series, meeting various needs of households and industries.

Product features

- 1 Grade A LiFePO4 cell
- 2 Supports up to 8 modules in series
- 3 High voltage BMS control system
- 4 6000 cycles @ DOD80%
- 5 Convenient to move and freely combine

Application Area

- ※ Energy storage system, control system, alarm system, power system, database
- ※ Emergency lighting system, emergency power supply, UPS
- ※ Telecommunications, communication, and fire protection

Product Parameters

Model	SBM-H-10.24kWh	SBM-H-15.36kWh	SBM-H-20.48kWh	SBM-H-25.6kWh	SBM-H-30.72kWh
Standard voltage	102.4V				
Number of modules	1+2/PCS	1+3/PCS	1+4/PCS	1+5/PCS	1+6/PCS
Single module capacity	50Ah	50Ah	50Ah	50Ah	50Ah
Rated capacity	5.12kWh*2	5.12kWh*3	5.12kWh*4	5.12kWh*5	5.12kWh*6
Working voltage	172.8-230.4V	259.2-348.8V	345.6-464V	432-579.2V	518.4-694.4V
Standard charging current	25A/module				
Standard discharging current	50A/module				
Suggested DOD	80%				
Cycle life	>6000 cycles				
IP Rating	IP21				
Discharge operating temperature	-20°C-60°C				
Charging operating temperature	0°C-45°C				
Maximum series connection	8PCS				
Communication	CAN/RS485(WiFi/Bluetooth optional)				
Warranty	5 Years				
Certificate	UN38.3/MSDS/CE/ROHS/FCC				
NW. (kg)	54*2+14.2(base) 106 (Ultra thin version)	54*3+14.2(base)	54*4+14.2(base)	54*5+14.2(base)	54*6+14.2(base)
GW.(kg)	64*2+18.7(base) 124 (Ultra thin version)	64*3+18.7(base)	64*4+18.7(base)	64*5+18.7(base)	64*6+18.7(base)
Product size (mm)	550*500*(178*3+105) 550*210*1470 (Ultra thin version)	50*500*(178*4+105)	50*500*(178*5+105)	50*500*(178*6+105)	50*500*(178*7+105)
Package size(mm)	650*600*290*3 630*580*252(base) 545*510*300*3 (Ultra thin version)	650*600*290*4 630*580*252(base)	650*600*290*5 630*580*252(base)	650*600*290*6 630*580*252(base)	650*600*290*7 630*580*252(base)