

# ENERGY STORAGE BATTERY

## SS-B5K51S

51.2V / 100A/5120Wh

N\*51.2V/100Ah/5120Wh



### Grade A battery cell

- Grade A Lithium Iron Phosphate Battery, Superior safety and reliability.

### Super Protection

- Possess safety protection functions such as overcharge, over-discharge, overcurrent, high temperature, and low temperature.

### Flexible expansion

- 3U rack-mount design with flexible expansion and easy installation.

### Communication and Systems

- With smart BMS system.
- RS485/CAN communication allows for real-time monitoring of battery status and setting of protection parameters

### Super high current

- High discharge current, strong load impact resistance.

## Parameters

MODEL	SS-B5K51S
<b>Battery</b>	
Cell Material	Lithium Iron Battery
Battery Voltage	51.2V
Battery Capacity	5120Wh
Operation Voltage range	44.8~57.6V
Max Continuous Discharge Current	100A
Standard charging current	50A
Max Continuous Charge Current	100A
Battery Standard Cycle Life	≥6000 (25°C±2°C, 0.5C / 0.5C, 80%DOD, 70%SOH)
Protection Features	Overcharge protection, Overdischarge protection, Overcurrent protection, Shortcircuit protection, Overtemperature protection
<b>General Parameters</b>	
Display	LED indicator light / LED Display (Optional)
Dimension W*D*H(mm)	440*600*134
Weight(NW Kg)	43.5
Chassis installation method	Rack-mounted insert box type, 3U
Terminal	M6
Cooling	Natural convection
Protection Degree	IP20
Communication	CAN/RS485 (Optional)
<b>Operating Environment</b>	
Storage temperature	-30°C~60°C
Charging temperature	-10°C~50°C
Discharge Temperature	-20°C~50°C
Humidity	0%~95% Non-condensation
Operating Environment	Indoor
<b>Certifications</b>	
Certifications	UN38.3, RoHS, CE, MSDS

The battery cycle life is measured under laboratory conditions at 25°C, while the actual life span is determined by the battery temperature during actual use. Specifications are subject to change without advance notice.