

# ENERGY STORAGE BATTERY

## SS-B16K51S

51.2V/314A/16076Wh



### 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

- 5U 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-B16K51S
<b>Battery</b>	
Cell Material	Lithium Iron Battery
Cell Rated Capacity	314Ah
Battery Voltage	51.2V
Battery Capacity	16076Wh
Operation Voltage range	44.8~57.6V
Max Continuous Discharge Current	200A
Standard charging current	157A
Max Continuous Charge Current	200A
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 (Optional)
DimensionW*D*H(mm)	483*786*223
Weight(NW Kg)	About 120Kg
Chassis installation method	Rack-mounted insert box type, 5U
Terminal	M8
Cooling	Natural convection
Protection Degree	IP20
Communication	CAN/RS485 (Optional)
<b>Operating Environment</b>	
Storage temperature	-40°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.