



Product Features

- LFP (lithium iron phosphate) cell to ensure the highest safety
- Built-In BMS protects the cell such as Temperature, Current, Voltage, SoC
- SoH Extra long cycle life times with 6500 cycles with 80% DoD
- Compatible with most of the available Inverters
- Possibility of parallel connection with up to 16 pieces

Optional Customization Types

Multiple Modes Of Operation

Customized Logo

Multiple Shell Colors

Customized Capacity

Product Details



- Extra Long Cycle Life
- Safe & Reliable BMS
- Easy Plug & Play
- Ground-standing for Easy Installation
- RS485,CAN Communication Port
- Compatible with Most of the Inverters

© Performance Specifications

SWA-SM-16S100



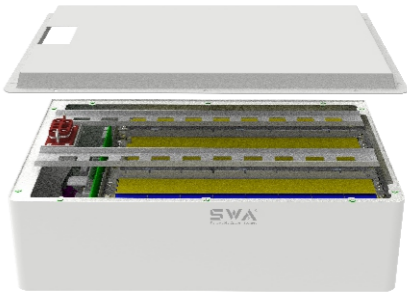
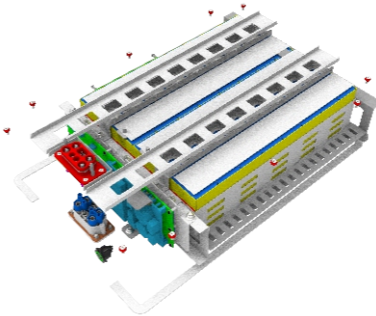
Rated Voltage	51.2Vdc
Rated Capacity	100Ah
Rated Energy	5.12kWh
Output Voltage Range	44.8V-57.6V
Charging Voltage	57.6V-58.4V
Cut-Off Voltage	40V
IP Rating	IP 65
Recommended Charging Current	20A
Max. Discharging Current	100A
Efficiency (Round Trip)	>98%
Dimension L*W*H( mm )	635*500*155/3.5U
Weight ( Kg )	≈45
Humidity	5%~95% Relative humidity
Charging Temperature	0°C~55°C
Discharging Temperature	-20°C~55°C
Storage Temperature	-10°C~30°C
Cycle Life	>6500 Times(0.2C,@25°C,80%DoD)
Design Life	>10 years
Mounting Options	Stack/Mobile

BMS Protection Characteristics

Primary Charging	Current :105A	Delay Time:20s
Second Charging	Current :110A	DelayTime:2~3s
Primary Discharging	Current :110A	Delay Time:10s
Second Discharging	Current :150A	Delay Time:100ms
Over-Charge Voltage	Voltage :58.4V	Delay Time:1~2s
Over-Discharge Voltage	Voltage :40V	Delay Time:1~2s
Temperature	PCB Temperature >95°C Recover ≤85°C	
Communication Port	RS485,Optional For CAN/Dry Contact	

Others

Screen	Touchable LCD
Terminals	Magnetic Plug-In
Case Material	SPCC Steel
Wheels	Yes
Heating	Optional
Bluetooth(App)	Optional



Note 1. The recommended storage temperature is 20°C to 30°C, battery life would be reduced if stored at high temperature (The recharging interval should be 12 months under the condition of storage temperature <30°C, and 8 months under the condition of 30°C <storage temperature <40°C).

Note 2. Affected by the external environment factors, such as temperature and duration of transportation and storage, the rated capacity may fluctuate by ± 5%.