



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-WM-16S280/300-M

Rated Voltage	51.2Vdc	
Rated Capacity	280Ah	300Ah
Rated Energy	14.34kWh	15.36Wh
Output Voltage Range	44.8V-57.6V	
Charging Voltage	57.6V-58.4V	
Cut-Off Voltage	40V	
IP Rating	IP 52	
Recommended Charging Current	56A	60A
Max. Discharging Current	150A	
Efficiency (Round Trip)	>98%	
Dimension L*W*H( mm )	825*413*233	
Weight ( Kg )	≈108	≈118
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	Wall/Mobile	

BMS Protection Characteristics

Primary Charging	Current :155A	Delay Time:20s
Second Charging	Current :160A	DelayTime:2~3s
Primary Discharging	Current :155A	Delay Time:10s
Second Discharging	Current :200A	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%.