






Stackable Battery Module 100ah~500ah LiFePO4 Battery



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.



Product list

Main Control Module	SWT-LFP			
Battery Module	SWA51100-SM			

Basic Parameters				
Battery Module NO.	2 modules	3 modules	4 modules	5 modules
Rated Voltage	51.2V	51.2V	51.2V	51.2V
Usable Energy	10240Wh	15360Wh	20480Wh	25600Wh

Operating Parameters				
Output Voltage Range	44.8~57.6V	44.8~57.6V	44.8~57.6V	44.8~57.6V
Charging Voltage	57.6±0.20V	57.6±0.20V	57.6±0.20V	57.6±0.20V
Cut-off Voltage	43.2V	43.2V	43.2V	43.2V
Max. Charging Current	200A	300A	400A	500A
Recommended Charging Current	50A	100A	200A	200A
Max. Discharging Current	150A	300A	400A	500A
Efficiency	>98%	>98%	>98%	>98%

Physical				
Dimension L*W*H (mm)	635*500*312	635*500*465	635*500*620	635*500*772
Weight (kg)	90	140	220	260

Environment	
Humidity	5%~95% Relative humidity
Charging Temperature	0°C~65°C
Discharging Temperature	-20°C~65°C
Storage Temperature	-10°C~30°C

Service Life	
Cycle Life	>6500times (0.2C, @25°C, 80%DOD)
Design Life	>10 years