

# Lead-Acid Replacement LifePO4

Bluetooth

LCD



## Product Features:

- LCD/Bluetooth/Heat device option, with APP.
- Dismountable screw lid, easy to open and check the condition inside such as BMS board, battery cell/voltage/battery capacity, etc.
- Optional BMS board capacity, 50AH/100A/150A/200A, etc...
- Battery shell color, Patterns and fonts outside the shell, can be customized per requirement.
- Portable rope could be made or not per need (SLA battery case)



## Product list

Model	SWA12V7	SWA12V10	SWA12V20
<b>Basic Parameters</b>			
Rated voltage	12.8V	12.8V	12.8V
Rated capacity (0.2°C, @25°C)	7Ah	10Ah	20Ah
Rated energy	89.6Wh	128Wh	256Wh
<b>Operating Parameters</b>			
Output Voltage Range	10.8V~14.6V	10.8V~14.6V	10.8V~14.6V
Charging Voltage	14.6±0.20V	14.6±0.20V	14.6±0.20V
Cut-off Voltage	10.8V	10.8V	10.8V
Max. Charging Current	7A	10A	20A
Recommended Charging Current	3.5A	3.5A	10A
Max. Discharging Current	7A	10A	20A
Efficiency	>98%	>98%	>98%
<b>Physical</b>			
Dimension L*W*H (mm)	151*65*100	151*65*100	181*76*166
Weight (kg)	1	1	1.2

Model	SWA12V30	SWA12V50	SWA12V100
<b>Basic Parameters</b>			
Rated Voltage	12.8V	12.8V	12.8V
Rated Capacity (0.2°C, @25°C)	30Ah	50Ah	100Ah
Rated Energy	384Wh	640Wh	1280Wh
<b>Operating Parameters</b>			
Output Voltage Range	10.8V~14.6V	10.8V~14.6V	10.8V~14.6V
Charging Voltage	14.6±0.20V	14.6±0.20V	14.6±0.20V
Cut-off Voltage	10.8V	10.8V	10.8V
Max. Charging Current	30A	50A	100A
Recommended Charging Current	10A	25A	50A
Max. Discharging Current	30A	50A	100A
Efficiency	>98%	>98%	>98%
<b>Physical</b>			
Dimension L*W*H (mm)	177*167*125.5	197*166*163	330*171*215
Weight (kg)	3.6	6	10.5

## Product list

Model	SWA12V150	SWA12V200	SWA12V300
<b>Basic Parameters</b>			
Rated Voltage	12.8V	12.8V	12.8V
Rated Capacity (0.2°C, @25°C)	150Ah	200Ah	300Ah
Rated Energy	1920Wh	2560Wh	3840Wh
<b>Operating Parameters</b>			
Output Voltage Range	10.8V~14.6V	10.8V~14.6V	10.8V~14.6V
Charging Voltage	14.6V±0.20V	14.6V±0.20V	14.6V±0.20V
Cut-off Voltage	10.8V	10.8V	10.8V
Max. Charging Current	150A	200A	300A
Recommended Charging Current	50A	50A	50A
Max. Discharging Current	100A	200A	100A
Efficiency	>98%	>98%	>98%
<b>Physical</b>			
Dimension L*W*H (mm)	330*171*220	484*171*240	520*269*220
Weight (kg)	16.8	20	31
<b>Operating Parameters</b>			
Humidity	5%~95% Relative humidity		
Charging Temperature	0°C~65°C		
Discharging Temperature	-20°C~65°C		
Storage Temperature	-10°C~30°C		
<b>Physical</b>			
Cycle Life	>6000 times (0.2C, @25°C, 80%DOD)		
Design Life	>10 years		