



Solar Energy Storage System
Lithium Battery
12V100Ah / 12V200Ah

Key Features

Display and Monitoring

Smart Display and Bluetooth app support for monitoring

Service Life

6000 Deep Cycle.

Voltage Hold

at around 12.8v-14.6V

Operating temperature

Charge at 0°C - 45°C,
Discharge at -20°C - 60°C

Lightweight 22.05lbs/10kg

(Only 1/3 the Weight of Lead-acid Battery)

Protection Level

IP66 Level Water Proof

Charge and Discharge Capability

100% State of Charge (SOC) and
100% Depth of Discharge (DOD)



Smart Display



Bluetooth Connectivity



Over Voltage Protection



Over Heat Protection



Short Circuit Protection



Over Charge Protection



Over Discharge Protection



BUILTIN BMS, SAFETY & RELIABILITY



MORE RELIABLE & LONG TERM SAVING COST

MAINTENANCE FREE

Replacement of Lead Acid & Tall Tubular Battery

Performance may vary depending on application. All specifications are subject to change without prior notice to the user. This data is for evaluation purposes only. No guarantee is intended or implied this data. For clarification and updated information, please contact us.

Model	ARM LFP 12V100AH	ARM LFP 12V200AH
Nominal Voltage	12.8V	12.8V
Rated Capacity	100Ah	200Ah
Battery Energy	1280Wh	2560Wh
Recommend Charge Current	20A	40A
Max Charge Current	100A	100A
Max Continuous Discharge Current	100A	200A
Charge Temperature Range	0-45°C	0-45°C
Discharge Temperature Range	-20-60°C	-20-60°C
Recommend Charge Voltage	14.4V±0.2V	14.4V±0.2V
Max Charge Voltage	14.6V	14.6V
Discharge Cut-Off Voltage	10.8V	10.8V
Cell Type	LiFePO4 Prismatic A grade	LiFePO4 Prismatic A grade
Certification	CE/FCC/ROHS/UN38.3/MSDS	CE/FCC/ROHS/UN38.3/MSDS
Resistance	≤10mΩ	≤10mΩ
Protection	BMS	BMS
Communication Interference	Smart Display and Bluetooth	Smart Display and Bluetooth
Cycle Life	6000 Cycles@80%	6000 Cycles@80%
Terminal	M8, 9 / 16L, 5 / 16D(inch)	M8, 9 / 16L, 5 / 16D(inch)
Protection Level	IP66	IP66
Battery Size (LxWxH) mm Battery	328x172x214.5	522x240x218
Weight (Kg)	10	20.3

Wide Applications

- Recreational Vehicle
- Off-Grid Systems
- Trolling Motor
- Golf Cart
- Emergency Power Back-up

Dimension

