

LFP 12.8V

100Ah 1280Wh



Light Weight

The weight is about 1/3 of a lead-acid battery of the same capacity.



Long service life

More than 3000 cycles



Flexible module

Module design, easy expansion in series and parallel



High protection level

IP65



Easy installation

<11kg, convenient for handling and can be used in various scenarios

Types of application scenarios available



Household conventional electricity



Photovoltaic consumption



Security Monitoring



Fishing

Technical Parameters

Model	AR 1.2
Battery type	LiFePO ₄
Nominal Battery Energy	1.28kWh
Nominal Capacity	100Ah
Nominal Voltage	10-14.8V
Max. Power Charge/Discharge Current	100A (1C)
Depth of Discharge (DOD)	1
Net Weight	≈10.5kg
Dimension[W*D*H]	330mm*172mm*214mm
Charging Temp. Range	0~50°C
Discharging Temp. Range	-20~55°C
Protection level	IP65
Cycle Life ^[1]	≥3000 cycles
Expansion	4 in series and parallel
Certification & Safety Standard	UN38.3

[1] 3000 cycles: Test Conditions: 0.5C Discharging, @25°C, 100% DOD
4000 cycles: Test Conditions: 0.5C Discharging, @25°C, 80% DOD