

FLOOR-STANDING LiFePO4 BATTERY

51.2V 314Ah 16.07kWh



Built-in BMS
Protection



LCD Status
Display



CAN / RS485 /
RS232



51.2V 314Ah
Capacity



Home Energy
Storage



Movable Caster
Wheels



Features

- Smart BMS for charge / discharge protection;
- LCD screen for real-time battery status;
- CAN, RS485 and RS232 inverter communication;
- 5.12 kWh compact capacity for home backup;
- Floor stand or wall mount installation.

OEM/ODM



Energy Storage Solution



Floor-Standing LiFePO4 Battery 314Ah

Technical Parameters

Model	AS-512314
Nominal Voltage	51.2 Vdc
Nominal Capacity	314 Ah
Battery Energy	16.07 KWh
Working Voltage	56.16 V
Maximum Charge Current	150 A
Maximum Discharge Current	200 A
Charge Power	7680 W
Discharge Power	10240 W
Short Circuit Current	≈540 A
Display	LCD Display
Communication	CAN, RS485, RS232
Dimension (W x D x H mm)	450 x 230 x 866 mm
Weight (Kg)	119 kg
Working Temperature	Charge 0°C~45°C / Discharge -20°C~55°C
Storage Temperature (Short Term)	Short Term (within 1 month) -10°C~45°C
Storage Temperature (Long Term)	Long Term (within 1 year) 0°C~35°C
Storage Humidity	≤95%RH
Max Operating Altitude	≤2000m
IP Rating	IP20
Cell Type	LiFePO4, Lithium Iron Phosphate
Warranty	5 years
Cycle life	8000 Cycles @ 90% DOD/25°C/0.5C
Scalability	Max 63 batteries in parallel
Certificates	UN38.3, MSDS

Note: Specifications are subject to change without prior notice.
Special voltage and power requirements can be customized according to user needs.