

SUN-BATT-5.12

Self consumption
Energy independence



MORE USABLE ENERGY

100% Depth of Discharge



FLEXIBLE INVESTMENT

Scalable from 5.12 to 40.96 kWh



SAFE & RELIABLE

Premium Lithium Iron Phosphate(LFP)
Cell from BYD 6000 cycles



EASY INSTALLATION

Floor Stand or Wall Mounted



QUICK COMMISSIONING

One Button ON/OFF
Automatic ID Assignment



PERFECT COMPATIBILITY

Compatible with Major PCS Brand

SUN-BATT-5.12 Technical Specification

Performance	
Nominal Voltage	51.2 Vdc
Nominal Capacity	100Ah
Battery Energy ¹	5120 Wh
Charge Voltage	55.68~56.16Vdc
Discharge Voltage	45.6-56.16 Vdc
Nominal Charge/Discharge Current	50A
Nominal Charge/Discharge Power	2500W
Max Charge / Discharge Current	100A
Max Charge / Discharge Power	5000W
Short Circuit Current	350A
Communication	
Display	SOC status indicator, LED indicator
Communication	RS232、RS485、CAN
General Specification	
Dimension(W×D×H mm)	450×150×533mm
Weight (Kg)	45kg
Installation	Floor stand or Wall mounted
Working Temperature ²	-20°C ~ 60°C
Storage Temperature	≤25°C,12 months; ≤35°C,6 months; ≤45°C,3 months
Operating / Storage / humidity	≤ 95%RH
Max Operating Altitude	≤2000m
IP Rating	IP20
Cell Technology	LiFePO ₄ , Lithium Iron Phosphate
Cycle life ³	6000 Cycles @ 80% DOD / 25°C / 0.5C, 60% EOL
Scalability	Max 8 batteries in parallel
Standard Compliance	
Certification	UN38.3, IEC 62619, IEC 62040-1, CE, TUV (more available upon request)
Ordering and Deliverable Part	
Product ordering part	SUN-BATT-5.12 battery SUN-BATT-5.12 parallel cable SUN-BATT-5.12 to PCS cable

1. Test conditions: 100% depth of discharge (DoD), 0.2C rate charge & discharge at 25°C

2. Charge/discharge derating occurs when the operating temperature from -10°C to 5 °C.& 45 °C to 55 °C.

3. Condition apply. Refer to SUN-BATT-5.12 Warranty Letter