SUN SYNK®

SUN-BATT-5.32

Self consumption
Energy independence

MORE USABLE ENERGY
100% Depth of Discharge

FLEXIBLE INVESTMENT
Scalable from 5.32 to 42.56 kWh

SAFE & RELIABLE
Premium Lithium Iron Phosphate(LFP)
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-5.32 Technical Specification

Performance	
Nominal Voltage	51.2 Vdc
Nominal Capacity	104Ah
Battery Energy [1]	5320 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℃ ~ 60℃
Storage Temperature	≤25℃,12 months; ≤35℃,6 months; ≤45℃,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℃ / 0.5C，60% EOL
Scalability	Max 8 batteries in parallel
Standard Compliance	
Certification	PACK:UN38.3、IEC62619、IEC61000 CELL:UN38.3、IEC62619、UL 1642、JET (more available upon request)
Ordering and Deliverable Part	
Product ordering part	SUN-BATT-5.32 battery SUN-BATT-5.32 parallel cable SUN-BATT-5.32 to PCS cable

1. Test conditions: 100% depth of discharge (DoD), 0.2C rate charge & discharge at 25℃
2. Charge/discharge derating occurs when the operating temperature from -10℃ to 5 ℃.& 45 ℃ to 55 ℃.
3. Condition apply. Refer to SUN-BATT-5.32 Warranty Letter