

LITHIUM BATTERY

SUN-BATT-5.32

Dimension

450×150×533mm



More Usable Energy

100% Depth of Discharge.



Easy Installation

Floor Stand or Wall Mounted.



Flexible Investment

Scalable from 5.32 to 42.56 kWh.



Perfect Compatibility

Compatible with Major PCS Brand.



Safe & Reliable

Premium Lithium Iron Phosphate(LFP)
6000 cycles.



Quick Commissioning

One Button ON/OFF Automatic
ID Assignment.



CONTACT US

Email us: sales@sunsynk.com Call us UK: +44 151 8324300 VAT number: 175669460

UK registered office: 17 Turnstone business park, Mulberry Avenue. Widnes, Cheshire, WA8 0WN.



POWERED BY
SUN  SYNK[®]

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 (WxDxH mm)	450x150x533mm
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 Ion Phosphate
Cycle Life ³	6000 Cycles @ 80% DOD/25°C/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°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-5.32 warranty letter.