

LITHIUM BATTERY

SUN-BATT-5.32R

Dimension

440x550x130mm



More Usable Energy
100% Depth of Discharge.



Easy Installation
Rack Mounted, Wall Mounted or Cabinet Mounted.



Quick Commissioning
Automatic ID Assignment.



Perfect Compatibility
Compatible with Major PCS Brand.



Safe & Reliable
Premium Lithium Iron Phosphate(LFP)
6000 cycles.



Flexible Investment
5.32 kWh Modular Design
Scalable from 5.32 to 42.56 kWh.



CONTACT US

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POWERED BY
SUN  SYNK[®]

SUN-BATT-5.32R 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)	440x550x130mm
Weight (kg)	46kg
Installation	Rack Mounted, Wall Mounted, Cabinet 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	≤2000m
Max Operating Altitude	≤ 95%RH
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)
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Ordering and Deliverable Part

Product Ordering Part	SUN-BATT-5.32R Battery SUN-BATT-5.32R Power cable SUN-BATT-5.32R Parallel cable
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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-5.32R warranty letter.