

SUN SYNK

SUN-BATT-5.12



DATASHEET

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(WxDxH mm)	450×150×533mm
Weight (Kg)	47kg
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, IEC62619, IEC62040-1 (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

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