



SUN-BATT-5.12-R-01



DATASHEET

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Product Parameters

Note

Approvals and certification are subject to change without prior notice. Please confirm the current status with Sunsynk before placing an order.

Model	SUN-BATT-5.12-R-01
Main Parameter	
Battery Chemistry	LiFePO ₄
Nominal Voltage	51.2Vdc
Nominal Capacity	100Ah
Battery Energy ^[1]	5120Wh
Operating Voltage Range	44.8Vdc~56.16Vdc
Nominal Charge/Discharge Current	50A
Max. Charge/Discharge Current ^[2]	98A
Communication	
Display	SOC Status Indicator, LED Indicator
Communication	CAN/RS485/RS232/Wi-Fi
General Specification	
Dimension (WxDxH)	470x160x635mm
Weight	49.5kg
Installation	Floor Stand or Wall Mounted
Operating Temperature ^[3]	Charge: 0 to 50°C Discharge: -15 to 50°C
Environmental Humidity	≤95%RH (No Condensation)
Protection Rating	IP65
Cycle Life ^[4]	6000 Cycles @ 80% DOD / 25°C / 0.5C, 60% EOL
Scalability	Max. 15 Batteries in Parallel
Application	On-Grid/On-Grid + Backup/Off-Grid
Compatible Inverters	Refer to Compatible Inverter List (Compatible with Major PCS Brands)
Standard Compliance	
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Warranty	See website for Warranty details
Ordering and Deliverable Parts	
Parts	SUN-BATT-5.12-R-01 Battery SUN-BATT-5.12-R-01 Parallel Cable SUN-BATT-5.12-R-01 to PCS Cable

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

^[2] There is 0.5C or 1C configurations optional in factory default.

^[3] Charge/discharge derating occurs when the temperature is below 0°C or above 45°C.

^[4] Please refer to the Warranty Letter for applicable conditions, the warranty is due whichever comes first.



Contact Us

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