



Sunsynk Maximus Battery 5.12kWh



Datasheet

SUN-BATT-UE-5.12

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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-UE-5.12
Performance		
Cell Technology		LFP (LiFePO4)
Nominal Voltage		51.2Vdc
Nominal Capacity		100Ah
Battery Energy ^[1]		5120Wh
Operating Voltage		44.8 - 56.16Vdc
Nominal Charge/Discharge Current		50A
Max. Charge/Discharge Current ^[2]		98A
Max. Continuous Discharge Rate (MCDR)		5.12kW
Communication		
Display		SOC Status Indicator, LED Indicator
Communication		CAN/RS485/RS232/Wi-Fi
General Specification		
Dimension (WxDxH)		18.5x6.3x25 inches (470x160x635mm)
Weight		109.1lbs (49.5kg)
Installation		Floor Stand or Wall Mounted
Operating Temperature ^[3]		Charge: 0 to 50°C (32 to 122°F) Discharge: -15 to 50°C (5 to 122°F)
Environmental Humidity		≤ 95%RH (No Condensation)
Protection Rating		NEMA 3R (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-UE-5.12 Battery SUN-BATT-UE-5.12 Parallel Cable SUN-BATT-UE-5.12 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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