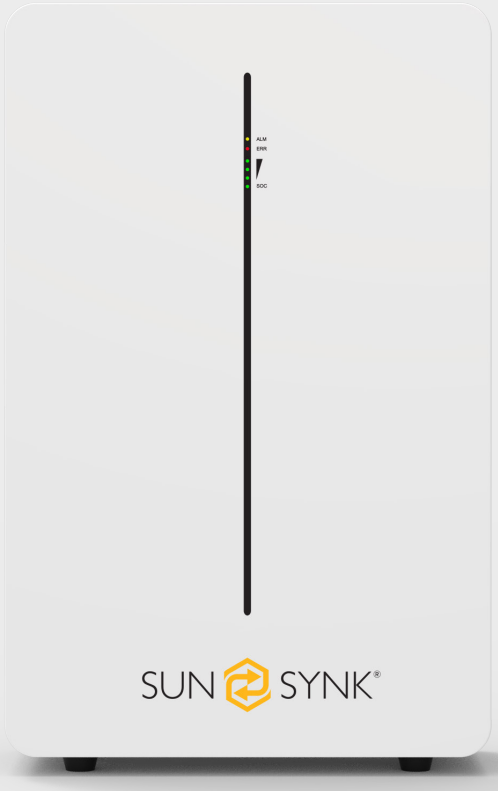
SS-5.12kWh-ES-BATT-00



DATASHEET

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v.3 (30/07/26)

PLEASE RETAIN FOR FUTURE REFERENCE

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	SS-5.12kWh-ES-BATT-00
Main Parameter	
Battery Chemistry	$LiFePO_4$
Nominal Voltage	51.2V
Nominal Capacity	100Ah
Nominal Continuous Charge/Discharge Current	60A/60A
Standard Charging Method	60A to 57.6V; 25°C
Battery Energy [1]	5120Wh
Operating Voltage Range	43.2-57.6V
Max. Charge/Discharge Current [2]	100A/100A
Communication	
Display	SOC Status Indicator, LED Indicator
Communication	CAN, RS485, Bluetooth, WiFi/LCD (Optional)
General Specification	
Dimensions (WxHxD)	400x630x160mm
Weight	45kg
Operating Temperature [3]	Charge: 0 to 55°C Discharge: -20 to 55°C
Environmental Humidity	5~95% RH (Non-Condensing)
Protection Rating	IP21
Cycle Life [4]	6000 Cycles (@25°C, 0.5C, 70%SOH)
Scalability	Max. 16 Batteries in Parallel
Application	On-Grid/On-Grid + Backup/Off-Grid
Compatible Inverters	Refer to Compatible Inverter List (Compatible with Major PCS Brands)
Altitude	≤3000m
Cooling	Natural Cooling
Fire Protection	Aerosol Fire Suppression
Standard Compliance	
This product complies with ISO and its relevant norms and standards. Approvals and certifications are subject to change without notice. Please verify current status with Sunsynk before ordering.	
Warranty	See website for Warranty details.

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

[2] There are 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.



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