



SUN-BATT-5.12 ecco



DATASHEET

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v.3 (17/12/24)



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FUTURE REFERENCE**

Performance	
Cell Technology	LFP (LiFePO4)
Nominal Voltage	51.2Vdc
Nominal Capacity	100Ah
Battery Usable Energy ^[1]	5.12kWh
Operating Voltage	44.8 ~ 56.16Vdc
Max. Charge and Discharge Current ^[2]	100A
Communication	
Display	SOC status indicator, LED indicator
Communication	RS232 / RS485 / CAN
General Specification	
Dimension (WxDxH)	450x150x533mm (17.7×5.9×21.0 inch)
Weight	46kg (101.4 lbs)
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)
Ingress Protection Rating	IP20
Cycle Life ^[4]	Min Performance 7,000 Half Cycle or 3,500 Full Cycle 5 Year Warranty @ 80% DoD
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	
Certification	UN38.3 / IEC62619/ IEC61000 (More available upon request)
Ordering and Deliverable Part	
Part	SUN-BATT-5.12 ecco Battery SUN-BATT-5.12 ecco Parallel cable SUN-BATT-5.12 ecco 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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