

SUN-BATT-10.24 ecco

Self consumption
Energy independence



More Usable Energy

Deep cycle DOD control



Flexible Investment

Up to 15 units in parallel



Safe & Reliable

Premium Lithium Iron Phosphate(LFP)
3500 cycles



Easy Installation

Floor stand or wall mounted



Quick Commissioning

One button ON/OFF
Automatic ID assignment



Perfect Compatibility

Compatible with major PCS brands

SUN-BATT-10.24 ecco Technical Specification

Performance	
Cell technology	LFP (LiFePO ₄)
Nominal voltage	51.2 Vdc
Nominal capacity	200 Ah
Battery usable energy [1]	10.24 kWh
Operating voltage	44.8 ~ 56.16 Vdc
Max. charge and discharge current [2]	200 A
Communication	
Display	SOC status indicator, LED indicator
Communication	RS232 / RS485 / CAN
General Specification	
Dimension (W×D×H mm)	550×160×836 mm (21.7×6.3×32.9 inch)
Weight (Kg)	87.45 Kg (192.7 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]	3500 Cycles or five (5) years @ 80% DOD / 25°C / 0.5C, 70% 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	
Compliance	UN38.3 / IEC62619/ IEC61000 (More available upon request)
Ordering and Deliverable Part	
Part	SUN-BATT-10.24 ecco Battery SUN-BATT-10.24 ecco Parallel cable SUN-BATT-10.24 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.