

## SUN-BATT-5.12 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-5.12 ecco Technical Specification

Performance	
Cell technology	LFP (LiFePO <sub>4</sub> )
Nominal voltage	51.2 Vdc
Nominal capacity	100 Ah
Battery usable energy [1]	5.12 kWh
Operating voltage	44.8 ~ 56.16 Vdc
Max. charge and discharge current [2]	100 A
Communication	
Display	SOC status indicator, LED indicator
Communication	RS232 / RS485 / CAN
General Specification	
Dimension ( W×D×H mm )	450×150×533 mm (17.7×5.9×21.0 inch)
Weight (Kg)	46 Kg (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]	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-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.