

## Datasheet

Model	MANA 5.3
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### Performance

Cell technology	LFP ( LiFePO4)
Battery usable energy [1]	5.324 kWh
Nominal voltage	51.2 V
Operating voltage	44.8 - 56.16 V
Max.charge and discharge current [2]	100 A

### Communication

Display	SOC status indicator, LED indicator
Communication	CAN / RS485 / RS232 / Wi-Fi

### General Specification

Dimension (W×D×H)	450×150×533 mm
	17.7×5.9×21.0 inch
Weight	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	IP 20
Cycle life [4]	6000 Cycles or ten (10) 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)
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### Ordering and Deliverable Part

Part	MANA 5.3 Battery
	MANA 5.3 Parallel cable
	MANA 5.3 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.