

## Residential Battery

MANA 5.12 Ultra | Low Voltage



### Safe and Reliable

Meet diverse home energy needs with LFP batteries that offer 6000 cycles for longer-lasting performance, and with IP65 protection, ensuring higher safety for your peace of mind.



### Hassle-Free Setup

Easily choose between floor or wall installation, and effortless maintenance.



### Flexible and Expandable

Easily connect up to 15 units in parallel, don't worry about future power increases in your home.



### Smart Home

Use your smartphone to control your home energy freely.

# Datasheet

CE UN38.3     

<b>Model</b>	<b>MANA 5.12 Ultra</b>
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## Performance

Cell technology	LFP ( LiFePO <sub>4</sub> )
Battery usable energy [1]	5.120 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 (WxDxH)	470x160x635 mm
	18.5x63x25 inch
Weight	48.8 kg (107.5 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 65
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 / IEC62040-1 / FCC / UL1973 / UL9540A (More available upon request)
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## Ordering and Deliverable Part

Part	MANA 5.12 Ultra Battery
	MANA 5.12 Ultra Parallel cable
	MANA 5.12 Ultra 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.