

## Residential Battery

MANA 5.3/10.6/14.33 | Low Voltage



### Safe and Reliable

Meet diverse home energy needs with LFP batteries that last up to 6,000 cycles, ensuring safety and reliability.



### 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 UK IEC RoHS

Model	MANA 5.3	MANA 10.6	MANA 14.33
-------	----------	-----------	------------

## Performance

Cell technology	LFP (LiFePO <sub>4</sub> )		
Battery usable energy [1]	5.324 kWh	10.649 kWh	14.33kWh
Nominal voltage	51.2 V	51.2 V	51.2V
Operating voltage	44.8 - 56.16 V	44.8 - 56.16 V	44.8-56.16V
Max.charge and discharge current [2]	100 A	200 A	280A

## Communication

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

## General Specification

Dimension (WxDxH)	450x150x533 mm	550x160x836 mm	700x250x758.5 mm
	17.7x5.9x21.0 inch	21.7x6.3x32.9 inch	27.5x9.8x29.8 inch
Weight	46 kg (101.4 lbs)	89 kg (196.2 lbs)	141kg (310.81 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)		Charge: 0 to 55°C (32 to 131°F) Discharge: -20 to 55°C (-4 to 131°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)
------------	--

## Ordering and Deliverable Part

Part	MANA 5.3 Battery	MANA 10.6 Battery	MANA 14.33 Battery
	MANA 5.3 Parallel cable	MANA 10.6 Parallel cable	MANA 14.33 Parallel cable
	MANA 5.3 to PCS cable	MANA 10.6 to PCS cable	MANA 14.33 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.