

# RESIDENTIAL BATTERY

MANA 5.12 / MANA 10.24 / MANA 16

Low Voltage



MANA 5.12



MANA 10.24



MANA 16



Full automatic manufacturing products



One button start / stop and parallel connection



100% tested for safety, readability and capacity



Real-time data monitoring and firmware update



Top-notch LFP Class A cell / Strict capacity grading



LCD display shows data visually



Precise voltage / temperature / SOC detection



Easy movement and installation roller (MANA16)

## DATASHEET

Model	MANA 5.12	MANA 10.24	MANA 16
Performance			
Cell technology	LFP ( LiFePO <sub>4</sub> )		
Battery usable energy [1]	5.12 kWh	10.24 kWh	16.07 kWh
Nominal voltage	51.2 V	51.2 V	51.2 V
Operating voltage	44.8 ~ 56.16 V	44.8 ~ 56.16 V	44.8 ~ 56.16 V
Max. charge and discharge current [2]	100 A	200 A	200 A
Communication			
Display	SOC status indicator, LED indicator, LCD display		
Communication	CAN / RS485 / RS232 / Wi-Fi		
General Specification			
Dimension (W×D×H)	450×150×533 mm	550×160×836 mm	450×245×790 mm
	17.7×5.9×21.0 inch	21.7×6.3×32.9 inch	17.7×9.6×31.1 inch
Weight	46 kg (101.4 lbs)	87.45 kg (192.7 lbs)	120 kg (264.55 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		
Warranty Period [4]	5 years / 10years (Optional)		
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 Delivery Parts			
Parts	MANA 5.12 Battery	MANA 10.24 Battery	MANA 16 Battery
	MANA 5.12 Parallel cable	MANA 10.24 Parallel cable	MANA 16 Parallel cable
	MANA 5.12 to PCS cable	MANA 10.24 to PCS cable	MANA 16 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.