RESIDENTIAL BATTERY

MANA 5.12 / MANA 10.24 / MANA 16

Low Voltage



- 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 (MANA 16)

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DATASHEET

Model	MANA 5.12	MANA 10.24	MANA 16
Performance			
Cell technology		LFP ($LiFePO_4$)	
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.