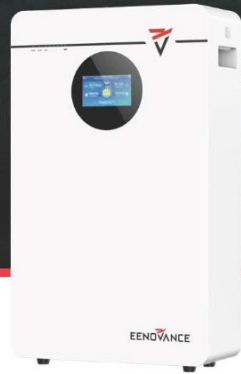


RESIDENTIAL BATTERY

MANA 5.1 / MANA 10.4 / MANA 16.0

Low Voltage



MANA 5.1



MANA 10.4



MANA 16.0

Features



One - Touch Parallel Scaling



Remote App Control & Updates



Mainstream Inverter Compatibility



Smart Bms & Precise Detection and Protection



Auto Acrosol Fire Extinguishing
Ultimate Security, Strengthen Defenses

DATASHEET

Model	MANA 5.1	MANA 10.4	MANA 16.0
Performance			
Cell technology	LFP (LiFePO ₄)		
Battery usable energy [1]	5.12 kWh	10.49 kWh	16.07 kWh
Nominal capacity	100 Ah	205 Ah	314 Ah
Nominal voltage	51.2 V		
Operating voltage	44.8 ~ 56.16 V		
Max. charge and discharge current [2]	100 A	200 A	200 A
Recommend Depth of Discharge	90%		
Communication			
Display	SOC status indicator, LED indicator, LCD display (Optional)		
Communication	CAN / RS485 / RS232 / Wi-Fi		
General Specification			
Dimension (WxDxH)	390×160×643 mm	420×245×706 mm	485×245×785 mm
	15.35×6.3×25.31 inch	16.73×9.65×25.31 inch	19.1×9.6×30.91 inch
Weight	47 Kg (103.6ls)	82 kg (180.77 lbs)	122 kg (265.96 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)		

[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.