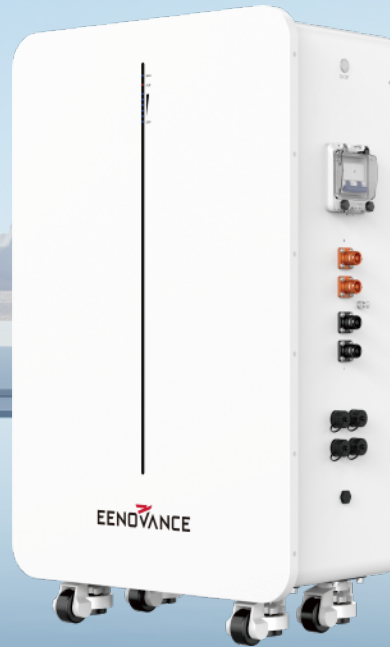


RESIDENTIAL BATTERY

MANA 20.0-1P1

Low Voltage



One-Touch Parallel
Scaling



Remote App Control
& Updates



Mainstream Inverter
Compatibility



Smart BMS & Precise
Detection and Protection



IP65-Certified,
Higher Protection Level



Auto Aerosol Fire Extinguishing
Ultimate Security, Strengthen Defenses

DATASHEET

Model	MANA 20.0-1P1
Performance	
Cell technology	LFP (LiFePO ₄)
Battery usable energy ^[1]	20.07 kWh
Nominal capacity	392 Ah
Nominal voltage	51.2 V
Operating voltage	44.8 ~ 56.16 V
Max. charge and discharge current ^[2]	200 A
Recommend Depth of Discharge	90%
Communication	
Display	SOC status indicator, LED indicator
Communication	CAN / RS485 / RS232 / Wi-Fi
General Specification	
Dimension (W×D×H)	535×270×880 mm
	21.1×10.6×34.6 inch
Weight	148 kg (326.28 lbs)
Installation	Floor stand
Operating temperature ^[3]	Charge: 0 to 50°C (32 to 122°F) Discharge: -20 to 50°C (-4 to 122°F)
Environmental humidity	≤ 95%RH (No condensation)
Ingress protection rating	IP65
Warranty Period ^[4]	5 years / 10 years (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 / IEC62040-1 (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.