

# EENOVANCE

## RESIDENTIAL BATTERY







MANA 5.12



MANA 10.24

### MANA 5.12 / MANA 10.24 | Low Voltage

-  Full automatic manufacturing products
-  100% tested for safety, readability and capacity
-  Top-notch LFP Class A cell / Strict capacity grading
-  Precise voltage / temperature / SOC detection
-  One button start / stop and parallel connection
-  Real-time data monitoring and firmware update
-  10 years peace of mind warranty

# DATASHEET

Model	MANA 5.12		MANA 10.24	
Performance				
Cell technology	LFP ( LiFePO <sub>4</sub> )			
Battery usable energy [1]	5.12 kWh	10.24 kWh		
Nominal voltage	51.2 V	51.2 V		
Operating voltage	44.8 ~ 56.16 V	44.8 ~ 56.16 V		
Max. charge and discharge current [2]	100 A	200 A		
Communication				
Display	SOC status indicator, LED indicator			
Communication	CAN / RS485 / RS232 / Wi-Fi			
General Specification				
Dimension (W×D×H)	450×150×533 mm	550×160×836 mm		
	17.7×5.9×21.0 inch	21.7×6.3×32.9 inch		
Weight	46 kg (101.4 lbs)	89 kg (196.2 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]	10 years			
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 5.12 Parallel cable	MANA 10.24 Parallel cable		
	MANA 5.12 to PCS cable	MANA 10.24 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.