

EENDVANCE

RESIDENTIAL BATTERY



MANA 5.12 ecco



MANA 10.24 ecco

MANA 5.12 ecco / MANA 10.24 ecco | 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

DATASHEET

Model	MANA 5.12 ecco	MANA 10.24 ecco
Performance		
Cell technology	LFP (LiFePO ₄)	
Nominal voltage	51.2 Vdc	51.2 Vdc
Nominal capacity	100 Ah	200 Ah
Battery usable energy [1]	5.12 kWh	10.24 kWh
Operating voltage	44.8 ~ 56.16 Vdc	44.8 ~ 56.16 Vdc
Max. charge and discharge current [2]	100 A	200 A
Communication		
Display	SOC status indicator, LED indicator	
Communication	CAN / RS485 / RS232	
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)	87.45 Kg (192.7 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	
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 ecco Battery	MANA 10.24 ecco Battery
	MANA 5.12 ecco Parallel cable	MANA 10.24 ecco Parallel cable
	MANA 5.12 ecco to PCS cable	MANA 10.24 ecco 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.