

# EENDOVANCE

## 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 <sub>4</sub> )			
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.