



# RESIDENTIAL BATTERY











MANA 5.12-D

MANA 10.24-D

MANA 16-D

## MANA 5.12-D / MANA 10.24-D / MANA16-D | 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
-  LCD display shows data visually
-  Easy movement and installation roller (MANA16-D)

# DATASHEET

Model	MANA 5.12-D		MANA 10.24-D	MANA 16-D
Performance				
Cell technology	LFP ( LiFePO <sub>4</sub> )			
Battery usable energy [1]	5.12 kWh	10.24 kWh	16.07 kWh	
Nominal voltage	51.2 V	51.2 V	51.2 V	
Operating voltage	44.8 ~ 56.16 V	44.8 ~ 56.16 V	44.8 ~ 56.16 V	
Max. charge and discharge current [2]	100 A	200 A	200 A	
Communication				
Display	SOC status indicator, LED indicator, LCD display			
Communication	CAN / RS485 / RS232 / Wi-Fi			
General Specification				
Dimension (W×D×H)	450×150×533 mm	550×160×836 mm	450×245×790 mm	
	17.7×5.9×21.0 inch	21.7×6.3×32.9 inch	17.7×9.6×31.1 inch	
Weight	46 kg (101.4 lbs)	87.45 kg (192.7 lbs)	120 kg (264.55 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-D Battery	MANA 10.24-D Battery	MANA 16-D Battery	
	MANA 5.12-D Parallel cable	MANA 10.24-D Parallel cable	MANA 16-D Parallel cable	
	MANA 5.12-D to PCS cable	MANA 10.24-D to PCS cable	MANA 16-D 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.