

Model

MANA 5.3 / 10.6 / 16.0



MANA 5.3



MANA 10.6



MANA 16.0



More Usable Energy

Deep cycle DOD control



Flexible Investment

Up to 15 units in parallel



Safe & Reliable

Premium Lithium Iron Phosphate(LFP)
6000 cycles



Easy Installation

Floor stand or wall mounted



Quick Commissioning

One button ON/OFF
Automatic ID assignment



Perfect Compatibility

Compatible with major PCS brands

DATASHEET

Model	MANA 5.3	MANA 10.6	MANA 16.0
Performance			
Cell technology	LFP (LiFePO ₄)		
Battery usable energy [1]	5.324 kWh	10.649 kWh	15.974 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	300 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	720×160×916 mm
	17.7×5.9×21.0 inch	21.7×6.3×32.9 inch	28.3×6.3×36.1 inch
Weight	46 kg (101.4 lbs)	89 kg (196.2 lbs)	130 kg (286.6 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	IP 20		
Cycle life [4]	6000 Cycles or ten (10) years @ 80% DOD / 25°C / 0.5C, 70% EOL		
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 Deliverable Part			
Part	MANA 5.3 Battery	MANA 10.6 Battery	MANA 16.0 Battery
	MANA 5.3 Parallel cable	MANA 10.6 Parallel cable	MANA 16.0 Parallel cable
	MANA 5.3 to PCS cable	MANA 10.6 to PCS cable	MANA 16.0 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, the warranty is due whichever comes first.