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

CE UN38.3 UKCA IEC

DATASHEET

Model	MANA 5.3	MANA 10.6	MANA 16.0
Performance			
Cell technology	LFP (LiFePO4)	LFP (LiFePO4)	LFP (LiFePO4)
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
Nominal output current	50 A / 100 A	100 A / 200 A	150 A / 300 A
BMS protection current	110 A, 1 s	210 A, 1 s	310 A, 1 s
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	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 [2]	-20 to 60°C (-4 to 140°F)		
Environmental humidity	≤ 95%RH (No condensation)		
Protection rating	IP 20		
Cycle life [3]	6000 Cycles or ten (10) years @ 80% DOD / 25°C / 0.5C, 60% 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			
	Cell: UN38.3 / IEC62619 / UL 1642 / JET		
	Battery pack: UN38.3 / IEC62619 / IEC61000 / UKCA (More available upon request)		
Accessories Part (Optional)			
Part			
	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] Charge/discharge derating occurs when the operating temperature from -10°C to 5°C & 45°C to 55°C.
[3] Please refer to the Warranty Letter for applicable conditions, the warranty is due whichever comes first.