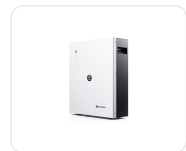


Model

MANA 5.0 / 5.3 / 10.6 / 16.0



MANA 5.0



MANA 5.3



MANA 10.6



MANA 16.0



More Usable Energy
100% Depth of Discharge



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 5.0	MANA 5.3	MANA 10.6	MANA 16.0
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Performance

Cell technology	LFP (LiFePO4) / BYD brand	LFP (LiFePO4)		
Battery usable energy [1]	5.12 kWh	5.32 kWh	10.65 kWh	15.97 kWh
Nominal voltage	51.2 V	51.2 V	51.2 V	51.2 V
Operating voltage	45.6 - 56.16 V	45.6 - 56.16 V	45.6 - 56.16 V	45.6 - 56.16 V
Nominal output current	100 A / 50 A	100 A / 50 A	200 A / 100 A	300 A / 150 A
BMS protection current	110 A, 1 s	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	450×150×533 mm	550×160×836 mm	720×160×916 mm
	17.7×5.90×20.9 inch	17.7×5.90×20.9 inch	21.6×6.30×32.9 inch	28.3×6.30×36.1 inch
Weight	45 kg (99 lbs)	46 kg (101 lbs)	89 kg (196 lbs)	130 kg (287 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 @ 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

Certificates	Cell: UN38.3 / IEC62619 / UL 1642 / JET
	Battery pack: UN38.3 / IEC62619 / IEC61000 / UKCA (More available upon request)

Ordering and Deliverable Part

Part	MANA 5.0 battery	MANA 5.32 battery	MANA 10.65 Battery	MANA 15.97 Battery
	MANA 5.0 parallel cable	MANA 5.32 parallel cable	MANA 10.65 Parallel cable	MANA 15.97 Parallel cable
	MANA 5.0 to PCS cable	MANA 5.32 to PCS cable	MANA 10.65 to PCS cable	MANA 15.97 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] Condition apply. Refer to Warranty Letter