



# Residential Battery

MANA 16-D | Low Voltage



### 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

Four wheels easy movement  
Floor stand



### Quick Commissioning

One button ON/OFF Automatic  
ID assignment



### Perfect Compatibility

Compatible with major PCS brands

# Datasheet

<b>Model</b>	<b>MANA 16-D</b>
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## Performance

Cell technology	LFP (LiFePO <sub>4</sub> )
Battery usable energy [1]	16.07 kWh
Nominal voltage	51.2 V
Operating voltage	44.8 - 56.16 V
Max. charge and discharge current	200 A

## Communication

Display	SOC status indicator, LCD display
Communication	CAN / RS485 / RS232 / Wi-Fi

## General Specification

Dimension (W×D×H)	450×245×790 mm
	17.7×9.6×31.1 inch
Weight	120 kg (264.55 lbs)
Installation	Floor stand
Operating temperature [2]	Charge: 0 to 55°C (32 to 131°F) Discharge: -20 to 55°C (-4 to 131°F)
Environmental humidity	≤ 95%RH (No condensation)
Ingress protection rating	IP 20
Cycle life [3]	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)
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## Ordering and Deliverable Part

Part	MANA 16-D Battery
	MANA 16-D Parallel cable
	MANA 16-D 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 is below 0°C or above 45°C.

[3] Please refer to the Warranty Letter for applicable conditions, the warranty is due whichever comes first.