



More Usable Energy

100% Depth of Discharge



Flexible Investment

5kWh Modular Design
Scalable from 5 to 20 kWh



Safe & Reliable

Premium Lithium Iron Phosphate
(LFP) Cell from BYD 6000 cycles



Easy Installation

Floor Stand or Wall Mounted



Quick Commissioning

One Button ON/OFF
Automatic ID Assignment



Perfect Compatibility

Compatible with Major PCS Brand

Model	MANA 5.0-L
Performance	
Nominal Voltage	51.2 Vdc
Nominal Capacity	100Ah
Battery Energy	5120 Wh
Charge Voltage	55.68~56.16Vdc
Discharge Voltage	45.6-56.16 Vdc
Nominal Charge/Discharge Current	50A
Nominal Charge/Discharge Power	2500W
Max Charge / Discharge Current	100A
Max Charge / Discharge Power	5000W
Short circuit current	350A
Communication	
Display	SOC status indicator, LED indicator
Communication	RS232、RS485、CAN
General Specification	
Dimension(W×D×H mm)	612×461×177mm
Weight (Kg)	53.5kg
Installation	Floor stand or wall mounted
Working Temperature	-20℃ ~ 60℃
Storage Temperature	≤25℃, 12 months; ≤35℃, 6 months; ≤45℃, 3 months
Operating / Storage / humidity	≤ 95%RH
Max Operating Altitude	≤2000m
IP Rating	IP20
Cell Technology	LiFePO ₄ , Lithium Iron Phosphate
Cycle life	6000 Cycles @ 80% DOD / 25℃ / 0.5C, 60% EOL
Scalability	Max 8 batteries in parallel
Standard Compliance	
Certification	UN38.3, IEC62619, IEC62040-1, SAA (more available upon request)
Ordering and Deliverable Part	
Product ordering part	MANA 5.0-L battery MANA 5.0-L parallel cable MANA 5.0-L to PCS cable