









EENOVANCE

RESIDENTIAL BATTERY



MANA 5.12 Ultra | Low Voltage

-  Full automatic manufacturing products
-  100% tested for safety, readability and capacity
-  Top-notch LFP Class A cell / Strict capacity grading
-  Precise voltage / temperature / SOC detection
-  One button start / stop and parallel connection
-  Real-time data monitoring and firmware update
-  IP 65 design, more installation scenario
-  Comprehensive verification, TÜV / UL Certificated

DATASHEET

Model	MANA 5.12 Ultra
Performance	
Cell technology	LFP (LiFePO ₄)
Battery usable energy [1]	5.120 kWh
Nominal voltage	51.2 V
Operating voltage	44.8 ~ 56.16 V
Max. charge and discharge current [2]	100 A
Communication	
Display	SOC status indicator, LED indicator
Communication	CAN / RS485 / RS232 / Wi-Fi
General Specification	
Dimension (W×D×H)	470×160×635 mm
	18.5×63×25 inch
Weight	48.8 kg (107.5 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	IP65
Warranty Period [4]	10 years
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 / IEC62040-1 / FCC / UL1973 / UL9540A (More available upon request)
Ordering and Delivery Parts	
Parts	MANA 5.12 Ultra Battery
	MANA 5.12 Ultra Parallel cable
	MANA 5.12 Ultra 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.