



5.12kWh LITHIUM BATTERY

FEATURES



Auto aerosol fire extinguishing
Ultimate security, strengthen defense



One button start / stop and
parallel connection



Full automatic manufacturing
products



Real-time data monitoring and
firmware update



100% tested for safety,
readability and capacity



Touch LCD display shows data
visually



Top-notch LFP Class A cell
/ Strict capacity grading



Versatile installation



Precise voltage / temperature
/ SOC detection



DATASHEET

Model	5.12kWh
Performance	
Cell technology	LFP (LiFePO4)
Battery usable energy [1]	5.12kWh
Nominal voltage	51.2Vdc
Operating voltage	44.8 – 56.16 V
Max. charge and discharge current [2]	100 A
Communication	
Display	SOC status indicator, LED indicator, LCD display
Communication	CAN / RS485 / RS232 / Wi-Fi
General Specification	
Dimension (W x D x H)	390 x 160 x 643 mm 15.35 x 6.3 x 25.31 inch
Weight	47 Kg (103.6 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	IP20
Cycle life	6000 Cycles @ 80%DOD / 25°C / 0.5C 60% EOL
Warranty Period [4]	10 Years (5 years product + 5 years service)
Scalability	(Optional)
Application	Max. 15 batteries in parallel
Compatible inverters	ON Grid / OFF Grid + Hybrid / AC coupled / Off grid Refer to compatible inverter list (Compatible with major PCS brands)
Standard Compliance	
Compliance	UN38.3 / IEC62619 / IEC61000 (More available upon request)
Ordering and Delivery Parts	
Parts	5.12kWh Battery 5.12kWh Parallel cable 5.12kWh 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] Charging/discharging derating occurs when the temperature is below 0°C or above 45°C.

[4] Please refer to the Warranty Letter for applicable conditions.



Long Cycle Life
6000 Cycles



Smart BMS
Protection



Scalable
Up to 15 Units
in Parallel