



16kWh 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
- Easy movement and installation roller
- Precise voltage / temperature / SOC detection

DATASHEET

Model	16
Performance	
Cell technology	LFP (LiFePO4)
Battery usable energy [1]	16076.8 Wh
Nominal voltage	51.2 Vdc
Operating voltage	44.8 – 56.16 V
Max. charge and discharge current [2]	300 A
Communication	
Display	SOC status indicator, LED indicator, LCD display
Communication	CAN / RS485 / RS232 / Wi-Fi
General Specification	
Dimension (W x D x H)	485 x 245 x 785 mm 19.1 x 9.6 x 30.91 inch
Weight	122 kg (265.96 lbs)
Installation	Floor stand
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
Standard Compliance	
Compliance	UN38.3 / IEC62619 / IEC61000 (More available upon request)
Ordering and Delivery Parts	
Parts	16 kWh Battery 16 Parallel cable 16 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