

LiFePO4 Deep Cycle Battery

1000AH 51.2V 50kwh

Technical Highlights



High-Power Performance

Industry-leading 1C continuous discharge rate



Maximized Energy Utilization

90% Depth of Discharge Reliable 10-year designed service life



Advanced Safety & Reliability

Intelligent BMS for multi-layer protection
Cobalt-free, eco-friendly, and ultra-stable



Flexible & Easy Installation

floor-standing



Seamless Scalability

Supports up to 15 units in parallel



Universal Inverter Compatibility

Compatible with leading inverter brands like Deye, Solis, Goodwe, Growatt, Sofar, SMA, etc.



Standard Enhancements

- Brand new Grade A cells
- Touch LCD Screen
- With iOS/Android App

- Active Balancing BMS
- WiFi Wireless Module
- Active Fire Extinguishing Module



INTERNAL BMS
VERSION

CONFORMS TO
UN38.3



Conforms to UL STD 62133-2
Certified to CSA STD C22.2# 62133-2
Conforms to UL STD 2054

Wireless Battery
Monitoring via
iOS/Android App



Item	Description
Model	EN481000-MC
Nominal Voltage	51 . 2V DC
Nominal Capacity (Ah)	1000Ah
Nominal Wott Hours	51200wh
Communication Protocol	CAN/RS485/RS232
Max. Number of Parallel Connections	15
Cycle Life	8000 cycles(25℃@80%DOD)
Protection Mechanism	Temperature protection/over- current protection Short-circuit protectionover-charge protection Over-discharge protection/Low-voltage protection
Charge Parameters	
Recommended Charge Current	150A
Max. Charge Current	300A
Recommended Charge Voltage	58V
Max. Charge Voltage	58 .4V
Discharge Parameters	
Recommended Discharge Current	150A
Max. Discharge Current	300A
Recommended Battery Discharge Cut-off Voltage	46V
Battery Cut-off Voltage	44V
Battery Recovery Volt	48V
General Parameters	
Products Size (L×W×H)	1110x440x940 mm
Weight (N.W)	~ 362kg
Package Size (L×W×H)	1170x500x1110 mm
Weight (G.W)	~385kg
Protection Rating	IP20
Shell Material	Sheet Metal
Certification & Safety Standard	
Certification	Pack: CE/MSDS/UN38.3
	Cell: CE/IEC62619/UL1973/ROHS
Temperature Parameters	
Discharging Temperature	-20~60℃
Charging Temperature	0 ~ 55℃
Storage Temperature	-20~45℃