LiFePO4 Deep Cycle Battery

314AH 51.2V 16kwh

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

GET IT ON Google Play
Download on the App Store

Item	Description
Model	EN48314-MC
Nominal Voltage	51 . 2V DC
Nominal Capacity (Ah)	314Ah
Nominal Wott Hours	16076wh
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	100A
Max. Charge Current	200A
Recommended Charge Voltage	58V
Max. Charge Voltage	58 .4V
Discharge Parameters	
Recommended Discharge Current	100A
Max. Discharge Current	200A
Recommended Battery Discharge Cut-off Voltage	46V
Battery Cut-off Voltage	44V
Battery Recovery Volt	48V
General Parameters	
Products Size (L×W×H)	690x300x870 mm
Weight (N.W)	~ 127kg
Package Size (L×W×H)	758x390x1045 mm
Weight (G.W)	~144kg
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℃