

Product features :

- Use safer lithium iron phosphate batteries (LiFePO4)
- Integrated Intelligent Battery Management System (BMS):
 - Prevent overcharge, overdischarge, and high current inside the battery to ensure battery safety and reliability.
 - Balance each battery to extend battery life.
- Used to replace lead-acid batteries
- Use of UPS backup power



Electrical Characteristics

Nominal Voltage (V)	12.8V
Nominal Capacity (Ah)	200Ah@0.2C 25°C
Minimum capacity (Ah)	194Ah@0.2C 25°C
Nominal Capacity (Wh)	2560Wh
Cycle Life	≥3000 Cycles @0.2C/0.2C

Charging parameters

Charge Voltage (V)	14.6V
Charge current (A)	20A (Recommend)
Max charge current (A)	50A
Peak charge current (A)	100A (1s)
Charging mode	Constant current / Constant voltage

Discharge parameters

Discharge Cut-off Voltage	10.8V
Discharge current	50A (Recommended)
Max discharge current	100A

Operating Environment

Charge Temperature	0°C to 55°C
Discharge Temperature	-20°C to 60°C
Storage Temperature	-20°C to 50°C

Other parameters

Shell material	ABS+PC
Battery size	522 (L) *238 (W) *218 (H) mm
Pack weight	24Kg
Protection Class	IP65
Internal Resistance	≤50mΩ @AC 1kHz
Terminal type	M8
Terminal type Authentication Level	UN38.3/MSDS

Usage Note:

1. The charging voltage of the battery shall not exceed the parameters in the specification
2. When the battery is in use, the discharge voltage shall not be lower than the parameters in the specification, otherwise the low-voltage protection may be triggered
3. The charging current and discharging current of the battery shall not exceed the parameter range of the specification, otherwise the battery may be damaged