

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)	24Ah@0.2C 25°C
Minimum capacity (Ah)	23.28Ah@0.2C 25°C
Nominal Capacity (Wh)	307.2Wh
Cycle Life	≥2000 Cycles @0.2C/0.2C

Charging parameters

Charge Voltage (V)	14.6V
Charge current (A)	4.8A (Recommend)
Max charge current (A)	12A
Peak charge current (A)	24A (2s)
Charging mode	Constant current / Constant voltage

Discharge parameters

Discharge Cut-off Voltage	10.8V
Discharge current	12A (Recommended)
Max discharge current	24A

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	175 (L) *165 (W) *125 (H) mm
Pack weight	3.2Kg
Protection Class	IP65
Internal Resistance	≤50mΩ @AC 1kHz
Terminal type	M5
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