

Product Features

Ultra-reliable Lithium Iron Phosphate Technology.

High Performance:

- Power output = 5.2kW (continuous)
- Fully rechargeable in 2 hours.

Robust & Durable:

- Can be discharged to 100% DoD.
- Minimum cycle life > 2500 cycles.

Safe & Secure:

- Over-charge, over-discharge & short-circuit protection.
- Non-combustible & 100% Recyclable.



Technical Specifications

GENERAL SPECIFICATIONS	
Battery Chemistry	Lithium Iron Phosphate (LiFePO4)
Nominal Voltage	51.2V
Ah Rating	100Ah @C3, 25°C
Installed Capacity @Vnom	5 120Wh
Internal Resistance	≤ 30mΩ @1kHz AC
VOLTAGE	
Operating Voltage Range	46.0V ~ 56.2V
Bulk Voltage (max.)	56.2V ± 0.3V
Float Voltage (recommended)	55.5V ± 0.3V
Low-Voltage (min.)	46V
CURRENT	
Charge Current (max.)	60A continuous ≤ 60A recommended
Discharge Current (max.)	100A continuous
Self-discharge Rate	Residual capacity: ≤ 3% /month ≤ 15% /year Recover capacity: ≤ 1.5% /month ≤ 8% /year
ENVIRONMENTAL REQUIREMENTS	
Operating Temperature Range	@Charge: 0°C ~ +45°C @Discharge: -20°C ~ +60°C
Recommended Operating Environment	Temp. range: +15 ~ +35°C Humidity: 45 ~ 75%RH
Storage Environment (stored ≤ 1 month)	Temp. range: -20 ~ +35°C Humidity: 45 ~ 75%RH
Storage Environment (stored ≤ 3 months)	Temp. range: +10 ~ +45°C Humidity: 5 ~ 75%RH
PHYSICAL ATTRIBUTES	
Dimensions – Main enclosure	442mm x 520mm x 178mm (L x W x H)
Dimensions – Front plate	483mm x 178mm (L x H)
Net Weight	55.0kg (unboxed, no accessories)
Serial Communication	CAN and RS485