

### 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.
  - Performance cycle life > 8000 cycles.
- **Safe & Secure:**
  - Over-charge, over-discharge & short-circuit protection.
  - Non-combustible & 100% Recyclable.
- **10 Year warranty**



### 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
Cycle life @100% DoD, C1	3000 cycles (5 200Wh)
Cycle life @100% DoD, C2	5000 cycles (5 200Wh)
Cycle life @80% DoD, C2	7500 cycles (4 160Wh)
Internal Resistance	≤ 30mΩ @1kHz AC
VOLTAGE	
Operating Voltage Range	46.0V ~ 55.0V
Bulk Voltage (max.)	55.0V ± 0.3V
Float Voltage (recommended)	54.0V ± 0.3V
Low-Voltage (min.)	46.5V
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