

Product Features

- Ultra-safe Lithium Iron Phosphate (LiFePO4) technology
- Integrated battery management System (BMS)
- Light weight & compact
- Water & dust resistant (IP56)
- Highly durable ABS enclosure
- Drop-in lead acid replacement



Technical Specifications

| GENERAL INFORMATION | |
|-----------------------------|--|
| Battery Type | LiFePO4 (Lithium Iron Phosphate) |
| Usable Capacity | 2002 Wh @C10, 25°C |
| Nominal Voltage | 13 VDC |
| Operating Voltage Range | 11.6 VDC – 14.2 VDC |
| Operating Temperature Range | Charge: 0°C – 45°C Discharge: -20°C – 65°C |
| Cycle Life @ 100% DoD | > 2000 cycles (2000 Wh @C10, 25°C) |
| Cycle Life @ 80% DoD | > 3000 cycles (1580 Wh @C10, 25°C) |
| Cycle Life @ 50% DoD | > 5000 cycles (980 Wh @C10, 25°C) |
| Dimensions (mm) | 327 x 172 x 218mm (W x D x H) |
| Weight (kg) | 20 kg |
| Warranty Period | 3 Years |

| CHARGE / DISCHARGE | |
|-------------------------------|---|
| Bulk Voltage | 14.2 VDC |
| Float Voltage | 13.8 VDC |
| Discharge Voltage (min.) | 11.6 V |
| Charge Current (max.) | 150 A continuous |
| Discharge Current (max.) | 150 A continuous 300 A burst (5 seconds) |
| Self-discharge Rate | < 3% per month |
| Charge & Discharge Efficiency | 96% - 99% @C1 |

| PROTECTION | |
|--------------------------|--------|
| Environmental Protection | IP56 |
| Over-current Protection | 450 A |
| Over-voltage Cut-out | 15.6 V |
| Under-voltage Cut-out | 10.0 V |