

### 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             | 1000 Wh @C10, 25°C                           |
| Nominal Voltage             | 13 VDC                                       |
| Operating Voltage Range     | 11.6 VDC – 14.4 VDC                          |
| Operating Temperature Range | Charge: 0°C – 45°C   Discharge: -20°C – 65°C |
| Cycle Life @ 100% DoD       | > 2000 cycles (1000 Wh @C10, 25°C)           |
| Cycle Life @ 80% DoD        | > 3000 cycles (800 Wh @C10, 25°C)            |
| Cycle Life @ 50% DoD        | > 5000 cycles (500 Wh @C10, 25°C)            |
| Dimensions (mm)             | 260 x 169 x 227mm (W x D x H)                |
| Weight (kg)                 | 11 kg  |
| Warranty Period             | 3 Years                                      |

| CHARGE / DISCHARGE            |   |
|-------------------------------|---|
| Bulk Voltage                  | 14.4 VDC                                    |
| Discharge Voltage (min.)      | 11.6 V                                      |
| Charge Current (max.)         | 82 A continuous                             |
| Discharge Current (max.)      | 82 A continuous<br>150 A burst (30 seconds) |
| Self-discharge Rate           | < 3% per month                              |
| Charge & Discharge Efficiency | 96% - 99% @C1                               |

| PROTECTION               |           |
|--------------------------|-----------|
| Environmental Protection | IP56      |
| Over-current Protection  | 200-300 A |
| Over-voltage Cut-out     | 15.6 V    |
| Under-voltage Cut-out    | 10.0 V    |