

### 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	143 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 (143 Wh @C10, 25°C)
Cycle Life @ 80% DoD	> 3000 cycles (114 Wh @C10, 25°C)
Cycle Life @ 50% DoD	> 5000 cycles (72 Wh @C10, 25°C)
Dimensions (mm)	151 x 99 x 100mm (W x D x H)
Weight (kg)	1.5 kg
Warranty Period	2 Years

CHARGE / DISCHARGE	
Bulk Voltage	14.4 VDC
Float Voltage	13.8 VDC
Discharge Voltage (min.)	11.6 V
Charge Current (max.)	11 A continuous
Discharge Current (max.)	11 A continuous 20 A burst (2C, 30 seconds)
Self-discharge Rate	< 3% per month
Charge & Discharge Efficiency	96% - 99% @C1

PROTECTION	
Environmental Protection	IP56
Over-current Protection	25 A
Over-voltage Cut-out	15.6 V
Under-voltage Cut-out	10.0 V