

Product Features

- Ultra-reliable 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	LiFePO ₄ (Lithium Iron Phosphate)
Usable Capacity	280 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	> 2 000 cycles (280 Wh @C10, 25°C)
Cycle Life @ 80% DoD	> 3 000 cycles (224 Wh @C10, 25°C)
Cycle Life @ 50% DoD	> 5 000 cycles (140 Wh @C10, 25°C)
Dimensions (mm)	181 x 77 x 167mm (W x D x H)
Weight (kg)	2.6 kg
Warranty Period	3 Years
Charge / Discharge	
Bulk Voltage	14.4 VDC
Discharge Voltage (min.)	11.6 V
Charge Current	20 A continuous
Discharge Current	20 A continuous 40 A burst (3 seconds)
Self-discharge Rate	< 3% per month
Charge & Discharge Efficiency	96% - 99% @C1
Environmental Protection	
Environmental Protection	IP56
Over-current Protection	20 A
Over-voltage Cut-out	15.6 V
Under-voltage Cut-out	10.0 V

