

Product Features

- On-board digital voltage display.
- Robust integrated BMS (battery management system).
- Internal temperature regulation.
- Thermal isolator on/off switch.
- Choice of terminal connectors (bolt & spring washer, or stud).
- Lifetime guarantee on packaging.
- 5 year warranty.



Technical Specifications

GENERAL INFORMATION	
Battery Type	LiFeYPO4 (Lithium Iron Yttrium Phosphate)
Usable Capacity	1000 Wh
Nominal Voltage	13 VDC
Operating Voltage Range	11.6 VDC – 14.1 VDC
Operating Temperature Range	-20°C – 65°C
Cycle Life @ 100% DoD	> 3600 cycles (1000 Wh)
Cycle Life @ 80% DoD	> 5000 cycles (800 Wh)
Cycle Life @ 70% DoD	> 7000 cycles (700 Wh)
Dimensions (mm)	290 x 230 x 300mm (W x D x H)
Weight (kg)	12 kg
Warranty Period	5 Years

CHARGE / DISCHARGE	
Bulk Voltage	14.1 VDC
Discharge Voltage (min.)	11.6 V
Charge Current (max.)	100 A continuous
Discharge Current (max.)	100 A continuous 120 A burst (1 minute) 150 A peak (2 seconds)
Self-discharge Rate	< 2% per month
Charge & Discharge Efficiency	96% @C2 ; 98% @C10

PROTECTION	
Thermal Isolator	150 A
In-line Fuse	1 x 100 A
Over-current Protection	100 A
Over-voltage Cut-out	15.6 V (3.90 V on any cell)
Under-voltage Cut-out	11.4 V (2.85 V on any cell)