

### Product Features

- **Yttrium-fortified** cathode for ultra-resilience against accelerated degradation & fade.
- **Fully rechargeable** in as little as 2 hours.
- **Serial communication (CANBUS)** compatible with leading peripherals incl. Victron®, Studer®, Ingeteam®, SMA® & Goodwe®
- **On-board monitoring & diagnostics** via integrated user interface / display.
- **Military-grade** enclosure.
- **5-year** product warranty.



### Technical Specifications

GENERAL INFORMATION	
Battery Type	LiFeYPO4 (Lithium Iron Yttrium Phosphate)
Usable Capacity	2000 Wh @C10, 25°C   1560 Wh @C2, 25°C
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 (2000 Wh @C10, 25°C)
Cycle Life @ 80% DoD	> 5000 cycles (1600 Wh @C10, 25°C)
Cycle Life @ 70% DoD	> 7000 cycles (1400 Wh @C10, 25°C)
Dimensions (mm)	410 x 290 x 300mm (W x D x H)
Weight (kg)	25 kg
Warranty Period	5 Years

CHARGE / DISCHARGE	
Bulk Voltage	14.1 VDC
Discharge Voltage (min.)	11.6 V
Charge Current (max.)	150 A (for 10 minutes max.)
Discharge Current (max.)	150 A (for 10 minutes max.) 200 A burst (for 1 minute max.) 600 A peak (for 2 seconds max.)
Charge Power (continuous)	Maximum: 1kW   Recommended: 500W
Discharge Power (continuous)	Maximum: 1kW   Recommended: 200W
Self-discharge Rate	< 2% per month
Charge & Discharge Efficiency	96% @C2   98% @C10

PROTECTION	
Isolator	150 A
Over-current Protection	600 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)