

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.
- **Marine-grade** stainless steel enclosure.
- **10 Year** product warranty.



Technical Specifications

GENERAL INFORMATION	
Battery Type	LiFeYPO4 (Lithium Iron Yttrium Phosphate)
Usable Capacity	18 000 Wh @C10, 25°C 15 600 Wh @C2, 25°C
Nominal Voltage	39 VDC
Operating Voltage Range	36 VDC – 42.1 VDC
Operating Temperature Range	-20°C – 65°C
Cycle Life @ 100% DoD	> 3600 cycles (18000 Wh @C10, 25°C)
Cycle Life @ 80% DoD	> 5000 cycles (14400 Wh @C10, 25°C)
Cycle Life @ 70% DoD	> 7000 cycles (12600 Wh @C10, 25°C)
Dimensions (mm)	3 x (640 x 365 x 320mm) (W x D x H)
Weight (kg)	236 kg

CHARGE / DISCHARGE	
Bulk Voltage	42.1 VDC
Discharge Voltage (min.)	36.0 V
Charge Current (max.)	320 A continuous (for 10 minutes max.)
Discharge Current (max.)	320 A continuous (for 10 minutes max.) 400 A burst (for 1 minute max.) 1200 A peak (for 2 seconds max.)
Charge Power (continuous)	Maximum: 9000 W Recommended: 4500 W
Discharge Power (continuous)	Maximum: 9000 W Recommended: 1800 W
Self-discharge Rate	< 2% per month
Charge & Discharge Efficiency	96% @C2 ; 98% @C10

PROTECTION	
Isolator	1200 A
In-line Fuse	2 x 160 A
Over-current Protection	320 A
Over-voltage Cut-out	46.8 V (3.90 V on any cell)
Under-voltage Cut-out	34.2 V (2.85 V on any cell)