

Product Features

- **Yttrium-fortified** cathode for ultra-resilience against accelerated degradation & fade.
- **Fully rechargeable** in as little as 3 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	30 000 Wh @C10, 25°C 27 300 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 (30 000 Wh @C10, 25°C)
Cycle Life @ 80% DoD	> 5000 cycles (24 000 Wh @C10, 25°C)
Cycle Life @ 70% DoD	> 7000 cycles (21 000 Wh @C10, 25°C)
Dimensions (mm)	800 x 720 x 1250mm (W x D x H)
Weight (kg)	365 kg

CHARGE / DISCHARGE	
Bulk Voltage	42.1 VDC
Discharge Voltage (min.)	36.0 V
Charge Current (max.)	500 A continuous (for 10 minutes max.)
Discharge Current (max.)	500 A continuous (for 10 minutes max.) 550 A burst (for 1 minute max.) 1500 A peak (for 2 seconds max.)
Charge Power (continuous)	Maximum: 15 000 W Recommended: 7500 W
Discharge Power (continuous)	Maximum: 15 000 W Recommended: 3000 W
Self-discharge Rate	< 2% per month
Charge & Discharge Efficiency	96% @C2 ; 98% @C10

PROTECTION	
Isolator	1500 A
In-line Fuse	3 x 600 A
Over-current Protection	500 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)