

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	12000 Wh @C10, 25°C 10400 Wh @C2, 25°C
Nominal Voltage	52 VDC
Operating Voltage Range	48 VDC – 56.2 VDC
Operating Temperature Range	-20°C – 65°C
Cycle Life @ 100% DoD	> 3600 cycles (12000 Wh @C10, 25°C)
Cycle Life @ 80% DoD	> 5000 cycles (9600 Wh @C10, 25°C)
Cycle Life @ 70% DoD	> 7000 cycles (8400 Wh @C10, 25°C)
Dimensions (mm)	2 x (640 x 365 x 320mm) (W x D x H)
Weight (kg)	150 kg

CHARGE / DISCHARGE

Bulk Voltage	56.2 VDC
Discharge Voltage (min.)	48 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: 6000W Recommended: 3000W
Discharge Power (continuous)	Maximum: 6000W Recommended: 1200W
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	< 62.4 V (3.90 V on any cell)
Under-voltage Cut-out	> 45.6 V (2.85 V on any cell)