

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 | 48 000 Wh @C10, 25°C 39 000 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 (48 000 Wh @C10, 25°C) |
| Cycle Life @ 80% DoD | > 5000 cycles (38 400 Wh @C10, 25°C) |
| Cycle Life @ 70% DoD | > 7000 cycles (33 600 Wh @C10, 25°C) |
| Dimensions (mm) | 1400 x 720 x 1250mm (W x D x H) |
| Weight (kg) | 650 kg |

| CHARGE / DISCHARGE | |
|-------------------------------|---|
| Bulk Voltage | 42.1 VDC |
| Discharge Voltage (min.) | 36.0 V |
| Charge Current (max.) | 1000 A continuous |
| Discharge Current (max.) | 1000 A continuous 1200 A burst (for 1 minute max.) 4000 A peak (for 2 seconds max.) |
| Charge Power (continuous) | Maximum: 24 000W Recommended: 12 000W |
| Discharge Power (continuous) | Maximum: 24 000W Recommended: 4 800W |
| Self-discharge Rate | < 2% per month |
| Charge & Discharge Efficiency | 96% @C2 ; 98% @C10 |

| PROTECTION | |
|-------------------------|-----------------------------|
| Isolator | 4000 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) |