

Product Features

- **Serial communication** compatible (CAN protocol) with leading inverters
- **On-board monitoring** & diagnostics via integrated user interface/display
- **Local monitoring** & diagnostics from smartphones, PC's & other compatible devices via shared local Wifi connection
- **Remote monitoring** & diagnostics (incl. over-the-air firmware updates) from any internet-connected location globally
- **Yttrium-fortified** cathode for ultra-resilience against accelerated degradation & fade
- **10-year** product warranty



Technical Specifications

| General Information | |
|-------------------------------|------------------------------------------------------------------------|
| Battery Type | LiFeYPO4 (Lithium Iron Yttrium Phosphate) |
| Usable Capacity | 12 000 Wh @C10, 25°C |
| Nominal Voltage | 52 VDC |
| Operating Voltage Range | 46.4 VDC – 56.2 VDC |
| Operating Temperature Range | -20°C – 65°C |
| Cycle Life @ 100% DoD | > 3 600 cycles (12 000 Wh @C10, 25°C) |
| Cycle Life @ 80% DoD | > 5 000 cycles (9 600 Wh @C10, 25°C) |
| Cycle Life @ 70% DoD | > 7 000 cycles (8 400 Wh @C10, 25°C) |
| Dimensions (mm) | 2 x (640 x 365 x 320mm) (W x D x H) |
| Weight (kg) | 150 kg |
| Warranty Period | 10 Years |
| Charge / Discharge | |
| Bulk Voltage | 56.2 VDC |
| Discharge Voltage (min.) | 46.4 V |
| Charge Current (max.) | 320 A continuous |
| Discharge Current (max.) | 320 A continuous 400 A burst (1 minute) 1 200 A peak (2 seconds) |
| Self-discharge Rate | < 2% per month |
| Charge & Discharge Efficiency | 96% @C2 ; 98% @C10 |
| Protection | |
| Isolator | 1 200 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) |

