

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	4 000 Wh @C10, 25°C
Nominal Voltage	52 VDC
Operating Voltage Range	48.0 VDC – 56.2 VDC
Operating Temperature Range	-20°C – 65°C
Cycle Life @ 100% DoD	> 3 600 cycles (4 000 Wh @C10, 25°C)
Cycle Life @ 80% DoD	> 5 000 cycles (3 200 Wh @C10, 25°C)
Cycle Life @ 70% DoD	> 7 000 cycles (2 800 Wh @C10, 25°C)
Dimensions (mm)	680 x 370 x 300mm (W x D x H)
Weight (kg)	47 kg
Warranty Period	10 Years
Charge / Discharge	
Bulk Voltage	56.2 VDC
Discharge Voltage (min.)	48.0 V
Charge Current (max.)	125 A continuous
Discharge Current (max.)	125 A continuous 140 A burst (1 minute) 500 A peak (2 seconds)
Self-discharge Rate	< 2% per month
Charge & Discharge Efficiency	96% @C2 ; 98% @C10
Protection	
Isolator	500 A
In-line Fuse	1 x 125 A
Over-current Protection	125 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)

