

Product Features

- High performance ultra-reliable **Lithium** technology.
- Built with A-grade **LiFePO₄** cells to ensure exceptional resilience against fade. Minimum 80% capacity retention guaranteed at end of cycle life.
- High current capability – fully rechargeable in **1.2 hours**.
- **Serial communication (CAN)** compatible with leading inverters & peripheral devices.
- In-depth **on-board monitoring** and diagnostics via integrated user interface & OLED display.
- **Modular design** for easy transportation & installation.
- **10 Year** limited product warranty.



Technical Specifications

GENERAL INFORMATION	
Battery Type	LiFePO ₄ (Lithium Iron Phosphate)
Usable Capacity	37 440Wh @C2, 25°C
Nominal Voltage	52 VDC
Operating Voltage Range	48 VDC – 55.2 VDC
Operating Temperature Range	Charge: 0°C ~ 50°C Discharge: -10°C ~ 50°C
Cycle Life @100% DoD (C2, 25°C)	> 3 600 cycles (max. 20% fade) 7 000 cycles (max. 40% fade)
Cycle Life @80% DoD (C2, 25°C)	> 5 000 cycles (max. 20% fade) 9 000 cycles (max. 40% fade)
Cycle Life @70% DoD (C2, 25°C)	> 7 000 cycles (max. 20% fade) 12 000 cycles (max. 40% fade)
Dimensions (mm)	415 x 750 x 1450mm (W x D x H)
Weight (kg)	400kg total (1 x Frame = 25kg 1 x BMU module = 15kg 4 x Battery modules = 90kg each)

CHARGE / DISCHARGE	
Bulk Voltage	55.2 VDC
Discharge Voltage (min.)	48.0V
Charge Current (max.)	720A continuous
Discharge Current (max.)	720A continuous 900A burst (for 1 minute max.) 1300A peak (for 2 seconds max.)
Charge Power	Maximum: 37 440W continuous Recommended: 9 360W
Discharge Power	Maximum: 37 440W continuous Recommended: 3 744W
Self-discharge Rate	< 2% per month
Charge & Discharge Efficiency	96% @C2 98% @C10

PROTECTION	
In-line Fuse	4 x 180A
Over-current Protection	1300A
Over-voltage Cut-out	< 58.4 V (3.65 V on any cell)
Under-voltage Cut-out	> 45.6 V (2.85 V on any cell)