

Features

- **Developed from our most established product range**
 - Identical in performance to the large single-enclosure High Current battery with corresponding product name.
- **Designed with a predominant focus on practicality**
 - Modular layout allows for safer shipment & greatly increases the product's potential installation footprint.
 - Components positioned & sized in such a way that incorrect on-site assembly is virtually impossible.
- **Fitted with our proprietary BMCC electronics to ensure:**
 - Continued improvements in cell balancing, protection etc.
 - CAN compatibility with an ever-growing list of peripherals.
 - Hassle-free BMAC integration & remote monitoring.
- **10 year product warranty.**



Technical Specifications

GENERAL SPECIFICATIONS

Battery chemistry	Lithium Iron Phosphate (LiFePO ₄)
Nominal voltage	52VDC
Usable capacity	43 680Wh @C10, 25°C
Operating voltage range	48V ~ 55.2V
Operating temperature range	Charge: 0°C ~ 50°C Discharge: -10°C ~ 50°C
Cycle life @100% DoD, C2, 25°C	> 3600 cycles (< 20% fade) 7000 cycles (< 40% fade)
Cycle life @80% DoD, C2, 25°C	> 5000 cycles (< 20% fade) 9000 cycles (< 40% fade)
Cycle life @70% DoD, C2, 25°C	> 7000 cycles (< 20% fade) 12000 cycles (< 40% fade)
Dimensions	415 x 750 x 1450mm (W x D x H)
Net weight (unboxed)	1 x Frame: 25kg 1 x BMU module: 15kg 4 x Battery modules @ 90kg each Total: 400kg

VOLTAGE & CURRENT

Bulk voltage (operational max.)	55.2V
Low voltage (min.)	48V
Charge current (max.)	720A continuous
Discharge current (max.)	720A continuous 900A burst (for < 1 minute) 1300A peak (for < 2 seconds)
Charge power (max.)	Maximum: 37 440W Recommended: 9360W
Discharge power	Maximum: 37 440W Recommended: 3744W
Self-discharge rate	< 2% per month
Charge/discharge efficiency	96% @C2 98% @C10

SAFETY FEATURES

Inline fuse	4 x 180A (720A total)
Current over-charge protection	1300A
Voltage over-charge protection	< 58.4V (auto cut-off at first V _{cell} ≥ 3.65V)
Voltage over-discharge protection	> 45.6V (auto cut-off at first V _{cell} ≤ 2.85V)