

Features

- **Yttrium-fortified electrochemistry:**
 - Premium quality LiFeYPO₄ cells. Ultra-resilient against cathode degradation & associated fade.
- **Designed for at least 5 years of sustained daily use.**
 - Guaranteed to retain >80% of its original capacity over a 5-year service life or after 2500 full cycles.
- **Fitted with our proprietary BMCC electronics, to ensure:**
 - Calibrated product-specific balancing & protection.
 - CAN compatibility with a growing list of peripherals.
 - MultiCap™ connectivity: Parallel-connectable to select 26V BlueNova battery configurations of mixed capacity.
- **5 year product warranty.**



Technical Specifications

GENERAL SPECIFICATIONS

Battery chemistry	Lithium Iron Yttrium Phosphate (LiFeYPO ₄)
Nominal voltage	26VDC
Usable capacity	2 002Wh @C10, 25°C
Operating voltage range	24V ~ 27.6V
Operating temperature range	-20°C ~ 65°C
Cycle life @100% DoD, C10, 25°C	> 3600 cycles (< 20% fade) 7000 cycles (< 40% fade)
Cycle life @80% DoD, C10, 25°C	> 5000 cycles (< 20% fade) 9000 cycles (< 40% fade)
Cycle life @70% DoD, C10, 25°C	> 7000 cycles (< 20% fade) 12000 cycles (< 40% fade)
Dimensions	410 x 290 x 300mm (W x D x H)
Net weight (unboxed)	±25kg
Terminal size	M8

VOLTAGE & CURRENT

Bulk voltage (operational max.)	27.6V
Low voltage (min.)	24V
Charge current (max.)	125A continuous
Discharge current (max.)	125A continuous 140A burst (for < 1 minute) 500A peak (for < 2 seconds)
Charge power	Maximum: 1 000W (C2) Recommended: 500W (C4)
Discharge power	Maximum: 1 000W (C2) Recommended: 200W (C10)
Self-discharge rate	< 2% per month
Charge/discharge efficiency	96% @C2 98% @C10

SAFETY FEATURES

Isolator	125A
Current over-charge protection	500A
Voltage over-charge protection	< 29.2V (auto cut-off at first V _{cell} ≥ 3.65V)
Voltage over-discharge protection	> 22.8V (auto cut-off at first V _{cell} ≤ 2.85V)