

### Features

- **Ultra-resilient LiFePO<sub>4</sub> electrochemistry**
  - Premium quality LiFePO<sub>4</sub> cells ensures high performance throughout a minimum 10 year product service life.
- **Exceptional charge & discharge efficiency**
  - Can be recharged from 0-100% SoC in just 2 hours with a guaranteed 4% max. loss of total energy input.
- **Fitted with our proprietary BMMC electronics, to ensure:**
  - Calibrated product-specific balancing & protection.
  - CAN compatibility with a growing list of peripherals.
- **Inherently safe & user-friendly by design**
  - Modular build ensures safe shipment & easy installation.
- **10 year product warranty.**



Note : Product illustrated here without external module interconnections. See relevant user manual for assembly.

### Technical Specifications

#### GENERAL SPECIFICATIONS

Battery chemistry	Lithium Iron Phosphate (LiFePO <sub>4</sub> )
Nominal voltage	728VDC
Usable capacity	76 440Wh @C2, 25°C
Operating voltage range	672V ~ 784V
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	725 x 785 x 1450mm (W x D x H)
Net weight (unboxed)	±640kg total
Battery module configuration (excl. BMU)	4S1P   105Ah @104V <sub>nom</sub> = 10 920Wh per module

#### VOLTAGE & CURRENT

Bulk voltage (operational max.)	784V
Low voltage (min.)	672V
Charge current (max.)	52A continuous @ 25°C (C2)
Discharge current (max.)	52A continuous @ 25°C (C2)
Charge power (max.)	Maximum: 38 220W (C2)
Discharge power	Maximum: 38 220W (C2)
Self-discharge rate	< 2% per month
Charge/discharge efficiency	96% @C2   98% @C10
Max. number of units in parallel	9 x units (±687kWh total)

#### SAFETY FEATURES

Inline fuse	1 x 150A
Current over-charge protection	150A
Voltage over-charge protection	< 818V (auto cut-off at first V <sub>cell</sub> ≥ 3.65V)
Voltage over-discharge protection	> 638V (auto cut-off at first V <sub>cell</sub> ≤ 2.85V)