

Features

- **LiFePO₄ performance in highly applicable sizes**
 - Designed for seamless replacement of existing 24V 50Ah lead acid batteries in most applications.
- **Ultra-efficient recharge capability**
 - Absorbs >96% of total charge energy supplied (max. 4% lost) every time, even at C1 rates.
 - Resilient against erratic charge & immune to associated lead acid vulnerabilities such as sulfation-induced capacity degradation.
- **Compatible with more than just 24V systems**
 - Up to 2 x batteries can be connected in series for installation in compatible 48V systems.
- **3 year product warranty.**



Technical Specifications

GENERAL SPECIFICATIONS

Battery chemistry	Lithium Iron Phosphate (LiFePO ₄)
Nominal voltage	26VDC
Usable capacity	1 300Wh @C2, 25°C
Operating voltage range	24.0V ~ 28.4V
Operating temperature range	Charge: 0°C ~ 45°C Discharge: -20°C ~ 55°C
Cycle life @100% DoD, C10, 25°C	> 2000 cycles (1300Wh)
Cycle life @80% DoD, C10, 25°C	> 3000 cycles (1040Wh)
Cycle life @50% DoD, C10, 25°C	> 5000 cycles (650Wh)
Dimensions	327 x 172 x 218mm (W x D x H)
Net weight (unboxed)	13.5kg
Warranty period	3 years
Terminal size & type	M8 (female)

VOLTAGE & CURRENT

Bulk voltage (max. operating voltage)	28.4V
Float voltage (continuous charge voltage)	27.6V
Low voltage (min. operating voltage)	24.0V
Charge current	Recommended: 10A Maximum: 37A
Discharge current	Recommended: 10A Maximum: 50A Peak: 100A (for < 5 seconds)
Self-discharge rate	< 3% per month
Charge & discharge efficiency	96 ~ 99% @C1

SAFETY FEATURES

Ingress protection rating	IP56
Current over-charge protection range	100A
Voltage over-charge protection	< 31.2V (auto cut-off at first V _{cell} ≥ 3.9V)
Voltage over-discharge protection	> 20V (auto cut-off at first V _{cell} ≤ 2.5V)