

Features

- **LiFePO₄ performance in highly applicable sizes**
 - Designed for seamless replacement of existing 12V 200Ah 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 12V systems**
 - Up to 4 x batteries can be connected in series for installation in compatible 48V systems.
- **3 year product warranty.**



Technical Specifications

GENERAL SPECIFICATIONS

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|---------------------------------|---|
| Battery chemistry | Lithium Iron Phosphate (LiFePO ₄) |
| Nominal voltage | 13VDC |
| Usable capacity | 2 834Wh @C2, 25°C |
| Operating voltage range | 11.6V ~ 14.2V |
| Operating temperature range | Charge: 0°C ~ 45°C Discharge: -20°C ~ 65°C |
| Cycle life @100% DoD, C10, 25°C | > 2000 cycles (2834Wh) |
| Cycle life @80% DoD, C10, 25°C | > 3000 cycles (2267Wh) |
| Cycle life @50% DoD, C10, 25°C | > 5000 cycles (1417Wh) |
| Dimensions | 539 x 245 x 238mm (W x D x H) |
| Net weight (unboxed) | 27kg |
| Warranty period | 3 years |
| Terminal size & type | M8 (female) |

VOLTAGE & CURRENT

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|---|---|
| Bulk voltage (max. operating voltage) | 14.2V |
| Float voltage (continuous charge voltage) | 13.9V |
| Low voltage (min. operating voltage) | 11.6V |
| Charge current | Recommended: 20A Maximum: 100A |
| Discharge current | Recommended: 20A Maximum: 100A Peak: 200A (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 | 300A |
| Voltage over-charge protection | < 15.6V (auto cut-off at first V _{cell} ≥ 3.9V) |
| Voltage over-discharge protection | > 10V (auto cut-off at first V _{cell} ≤ 2.5V) |