



## PRODUCT SPECIFICATIONS AL1275

|                               |  |
|-------------------------------|--|
| Battery Capacity              | 75 Ampere hour (75Ah)   960Wh  |
| Nominal Voltage               | 12V  |
| Battery Chemistry             | LiFePO <sub>4</sub> Chemistry - Prismatic cells  |
| Series Limit                  | 4 (48V bank)   |
| Parallel Limit                | Infinite   |
| Dimensions and Weight         | 28.0L x 17.6W x 17.2H (CM) - 8KG   |
| Operating Temperature         | Charge - 0°C to 60°C // Discharge from -20°C to 60°C   |
| Operating Voltage             | 13.6V (4S x 3.4V)  |
| Charge Voltage                | 14.2V-14.6V, 14.4V recommended   |
| Float Voltage                 | 13.4V-14.0V, 13.8V recommended   |
| Max Continuous Charge Rate    | 0.6C (40A)   |
| Max Continuous Discharge Rate | 0.95C (80A)  |
| BMS Features                  | <ul style="list-style-type: none"><li>• Bluetooth interface for battery information</li><li>• Low temperature battery disconnect (0°C for charge, -20°C for discharge)</li><li>• Over voltage disconnect (14.8V or above on input)</li><li>• Low voltage disconnect (Individual cells below 2.7V, battery voltage of 10.8V)</li><li>• Cell imbalance disconnect (Cell voltage differential of above 0.3V)</li><li>• Automatic cell voltage balancing</li><li>• Over current disconnect (&gt;120A draw, per battery)</li><li>• Short circuit protection</li></ul> |
| Operational Quiescent Current | 10mA   |
| Standby Quiescent Current     | 0.1mA  |
| E Marking                     | E13 - 10R00-10R05-14430-00   |
| Charge Curve                  | Constant Current / Constant Voltage - CC/CV  |
| Terminals                     | T1 Standard DIN Post 19.5mm + (pos) and 17.9mm - (neg) with plastic terminal covers.   |
| Warranty                      | 5 years  |
| Appearance                    | AL1275   |

