

### LITHIUM IRON PHOSPHATE BATTERY

#### ELECTRICAL SPECIFICATIONS

|                           |               |
|---------------------------|---------------|
| Nominal Voltage           | 12.8 V        |
| Nominal Capacity          | 320 Ah        |
| Capacity @ 0.2C           | >290 min      |
| Energy                    | 4096 Wh       |
| Resistance                | <30 mΩ        |
| Efficiency                | 99%           |
| Self Discharge            | <3% per Month |
| Maximum Modules in Series | 1             |

#### DISCHARGE SPECIFICATIONS

|                                      |                |
|--------------------------------------|----------------|
| Maximum Continuous Discharge Current | 200 A (20mins) |
| Peak Discharge Current               | 400 A (3s)     |
| Recommended Low Voltage Disconnect   | 11 V           |
| PCM Discharge Voltage Cut-Off        | 10 V           |
| Reconnect Voltage                    | 12 V           |
| Short Circuit Protection             | Yes            |

#### TEMPERATURE SPECIFICATIONS

|                              |                                                                                                  |
|------------------------------|--------------------------------------------------------------------------------------------------|
| Discharge Temperature        | -30 to 60 °C                                                                                     |
| Charge Temperature           |  -30 to 60 °C |
| Storage Temperature          | -30 to 60 °C                                                                                     |
| PCM High Temperature Cut-Off | 176 °F (80 °C)                                                                                   |

#### DIMENSIONAL SPECIFICATIONS

#### MECHANICAL SPECIFICATIONS

|                        |                     |
|------------------------|---------------------|
| Dimensions (L x W x H) | 355 x 230 x 190 mm  |
| Weight                 | 39.5kg              |
| Terminal Type          | M8                  |
| Case Material          | Metal               |
| Enclosure Protection   | IP44                |
| Chemistry              | LiFePO <sub>4</sub> |

#### CHARGE SPECIFICATIONS

|                            |                             |
|----------------------------|-----------------------------|
| Recommended Charge Current | < 50 A                      |
| Maximum Charge Current     | 100 A                       |
| Recommended Charge Voltage | 14.2 V - 14.6 V             |
| PCM Charge Voltage Cut-Off | 14.6 V                      |
| Reconnect Voltage          | 14.2 V                      |
| Balancing Voltage          | 3.4V/cell and 30mV cell gap |

#### BATTERY FUNCTIONS

|                          |     |
|--------------------------|-----|
| Bluetooth                | Yes |
| Active Cell balance      | Yes |
| Heater                   | Yes |
| Victron CAN and NMEA2000 | Yes |

