

## BN26V-50-1.3k



### Product Features

- Ultra-reliable Lithium Iron Phosphate (LiFePO4) technology
- Integrated battery management System (BMS)
- Light weight & compact
- Water & dust resistant (IP56)
- Highly durable ABS enclosure
- Compatible with leading 24V inverters & chargers

### Technical Specifications

| GENERAL INFORMATION         |                                              |
|-----------------------------|----------------------------------------------|
| Battery Type                | LiFePO4 (Lithium Iron Phosphate)             |
| Usable Capacity             | 1300 Wh @C10, 25°C                           |
| Nominal Voltage             | 26 VDC                                       |
| Operating Voltage Range     | 23.2 VDC – 28.8 VDC                          |
| Operating Temperature Range | Charge: 0°C – 45°C   Discharge: -20°C – 55°C |
| Cycle Life @ 100% DoD       | > 2000 cycles (1300 Wh @C10, 25°C)           |
| Cycle Life @ 80% DoD        | > 3000 cycles (1040 Wh @C10, 25°C)           |
| Cycle Life @ 50% DoD        | > 5000 cycles (650 Wh @C10, 25°C)            |
| Dimensions (mm)             | 327 x 172 x 218mm (W x D x H)                |
| Weight (kg)                 | 13.5 kg                                      |
| Warranty Period             | 3 Years                                      |
| Terminal                    | M8 (female)                                  |

  

| CHARGE / DISCHARGE            |                                                                      |
|-------------------------------|----------------------------------------------------------------------|
| Bulk Voltage                  | 28.4 – 28.8VDC                                                       |
| Float Voltage                 | 27.6 VDC                                                             |
| Discharge Voltage (min.)      | 23.2 V                                                               |
| Charge Current (max.)         | Recommended: 10A   Maximum: 37A continuous                           |
| Discharge Current (max.)      | Recommended: 10A   Maximum: 50A continuous   Peak: 100A (<5 seconds) |
| Self-discharge Rate           | < 3% per month                                                       |
| Charge & Discharge Efficiency | 96% - 99% @C1                                                        |

  

| PROTECTION               |        |
|--------------------------|--------|
| Environmental Protection | IP56   |
| Over-current Protection  | 100 A  |
| Over-voltage Cut-out     | 31.2 V |
| Under-voltage Cut-out    | 20.0 V |