

Product Data Sheet

BN13V-108-1.4k BT

Product Features

- Ultra-reliable Lithium Iron Phosphate (LiFePO4) technology
- Integrated battery management System (BMS)
- Bluetooth monitoring
- Water & dust resistant (IP56)
- Highly durable ABS enclosure
- Drop-in lead acid replacement



Technical Specifications

GENERAL INFORMATION	
Battery Type	LiFePO4 (Lithium Iron Phosphate)
Usable Capacity	1400 Wh @C10, 25°C
Nominal Voltage	12.8 VDC
Operating Voltage Range	11.6 VDC – 14.4 VDC
Operating Temperature Range	Charge: 0°C ~ 45°C Discharge: -20°C ~ 55°C
Cycle Life @ 100% DoD	> 2000 cycles (1400 Wh @C10, 25°C)
Cycle Life @ 80% DoD	> 3000 cycles (1120 Wh @C10, 25°C)
Cycle Life @ 50% DoD	> 5000 cycles (700 Wh @C10, 25°C)
Dimensions (mm)	330 x 175 x 195mm (W x D x H)
Weight (kg)	12.5 kg
Warranty Period	3 Years
Terminal Size	M8

CHARGE / DISCHARGE	
Bulk Voltage	14.4 VDC
Float Voltage	13.8 VDC
Discharge Voltage (min.)	11.6 V
Charge Current	Recommended: 50A Maximum: 100A
Discharge Current (max.)	Recommended: 50A Maximum: 100A Peak: 350A (< 5 seconds)
Self-discharge Rate	< 3% per month
Charge & Discharge Efficiency	96% - 99%

PROTECTION	
Environmental Protection	IP54
Over-current Protection	Charge: 105A Discharge: 350A
Over-voltage Cut-out	14.8 V
Under-voltage Cut-out	10.0 V