

24v 1.35kWh

DATA SHEET

PRODUCT FEATURES

- Ultra safe lithium iron phosphate (LiFePO₄) cells
- Integrated battery management system (BMS)
- Light weight and compact
- LCD Battery Voltage & Capacity Gauge
- Water and dust resistant (IP55)
- Highly durable sealed ABS plastic enclosure
- Drop-in 12v lead acid replacement
- Sealed and non-liquid (No fumes, no leaking, mount in any position)



TYPICAL APPLICATION

- Replace 2 x 12v lead acid batteries with a single 24v lithium battery
- Long-life battery perfect for 1000W-2400W 24v inverter chargers
- Backup battery/loadshedding solution battery

TECHNICAL SPECIFICATION

Usable Capacity	1351.7 Wh	Nominal Voltage	25.6 VDC
Nominal Capacity	52.8Ah @ 0.2C	Operating Voltage Range	24v – 28.8 VDC
Weight (kg)	20kg	Warranty Period	1 Year
Bulk Charging Voltage	28.8 VDC	Float Charging Voltage	27.6 VDC
Maximum Current	12A	Discharge Voltage Minimum	24 VDC
Self-discharge Rate	< 3.5% per month	Cycle Life	2000 – 8000 depending on % DoD
Over-voltage Cut-out	29.2 VDC	Under-voltage Cut-out	20 VDC
Continuous Charging Current	Max 12A	Continuous Discharging Current	Max 12A
Battery Type	Lithium Iron Phosphate (LiFePO ₄)		
Dimensions (mm)	328 x 216 x 172mm (L x W x H)		
Lifespan	100%DoD > 2000 cycles, 80%DoD > 3000 cycles, 50%DoD >5000 cycles (0.2C charging or discharging, 25°C)		
Protection	Over-voltage Under-voltage Short circuit Dust and water resistant		
Operating Temp Range	Charge: 0°C to 45°C Discharge: -20°C to 60°C		