

24v 100Ah

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 24v lead acid replacement
- Sealed and non-liquid (No fumes, no leaking, mount in any position)



TYPICAL APPLICATION

- Single unit replaces 2 x 12v batteries in a 24v system
- Drop in lithium upgrade replacement for 2 x 12v lead acid batteries
- Storage battery for a 24v backup power inverter
- Storage battery for a 24v inverter off-grid solar system

TECHNICAL SPECIFICATION

Usable Capacity	2.56 kWh	Nominal Voltage	25.6 VDC
Nominal Capacity	100Ah @ 0.2C	Operating Voltage Range	24v – 28.8 VDC
Weight (kg)	25kg	Warranty Period	2000 Cycles 2 Years
Bulk Charging Voltage	28.8 VDC	Float Charging Voltage	27.6 VDC
Maximum Current	120A	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 120A	Continuous Discharging Current	Max 120A
Battery Type	Lithium Iron Phosphate (LiFePO ₄)		
Dimensions (mm)	522 x 238 x 217mm (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		