

24v 4Ah

DATA SHEET



PRODUCT FEATURES

- Ultra safe lithium iron phosphate (LiFePO₄) cells
- Integrated battery management system (BMS)
- Light weight and compact
- 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

- Garage door backup battery
- Drop in replacement of 24v lead acid battery to a 24v lithium battery
- Upgrade your 24v garage door backup battery to a long lifespan 24v lithium
- Capacity upgrade of garage door backup battery from typically 3.4Ah to 4Ah

TECHNICAL SPECIFICATION

Usable Capacity	102 Wh	Nominal Voltage	25.6 VDC
Nominal Capacity	4Ah @ 0.2C	Operating Voltage Range	24v – 28.8 VDC
Weight (kg)	1.2kg	Warranty Period	1 Year
Bulk Charging Voltage	28.8 VDC	Float Charging Voltage	27.6 VDC
Maximum Current	4A / 10A	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
Charging Current	Max 4A	Discharging Current	Max 10A (Burst 12A, <3s)
Battery Type	Lithium Iron Phosphate (LiFePO ₄)		
Dimensions (mm)	177 x 70 x 67mm (L x W x H) (L = 185mm including terminals)		
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		