

# 24v 12Ah

## DATA SHEET

### PRODUCT FEATURES

- Ultra safe lithium iron phosphate (LiFePO<sub>4</sub>) 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

- 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 3.5Ah to 12Ah

### TECHNICAL SPECIFICATION

<b>Usable Capacity</b>	307.2 Wh	<b>Nominal Voltage</b>	25.6 VDC
<b>Nominal Capacity</b>	12Ah @ 0.2C	<b>Operating Voltage Range</b>	24v – 28.8 VDC
<b>Weight (kg)</b>	2.8kg	<b>Warranty Period</b>	1 Year
<b>Bulk Charging Voltage</b>	28.8 VDC	<b>Float Charging Voltage</b>	27.6 VDC
<b>Maximum Current</b>	20A	<b>Discharge Voltage Minimum</b>	24 VDC
<b>Self-discharge Rate</b>	< 3.5% per month	<b>Cycle Life</b>	2000 – 8000 depending on % DoD
<b>Over-voltage Cut-out</b>	29.2 VDC	<b>Under-voltage Cut-out</b>	20 VDC
<b>Continuous Charging Current</b>	Max 20A	<b>Continuous Discharging Current</b>	Max 20A
<b>Battery Type</b>	Lithium Iron Phosphate (LiFePO <sub>4</sub> )		
<b>Dimensions (mm)</b>	188 x 83 x 187mm (L x W x H)		
<b>Lifespan</b>	100%DoD > 2000 cycles, 80%DoD > 3000 cycles, 50%DoD >5000 cycles (0.2C charging or discharging, 25°C)		
<b>Protection</b>	Over-voltage   Under-voltage   Short circuit   Dust and water resistant		
<b>Operating Temp Range</b>	Charge: 0°C to 45°C   Discharge: -20°C to 60°C		