

# POWERTECH Lithium

LiFePO4 batteries have UP TO 10 times the battery cycle life over Lead-Acid. This is the real secret to them. They are so much more RELIABLE than Lead-Acid. It means that you can install them in the bowels of a cruiser and forget about them. Or upgrade to battery power standby on your Solar Power installation. These are straight forward replacement for most lead acid batteries



**WARRANTY**

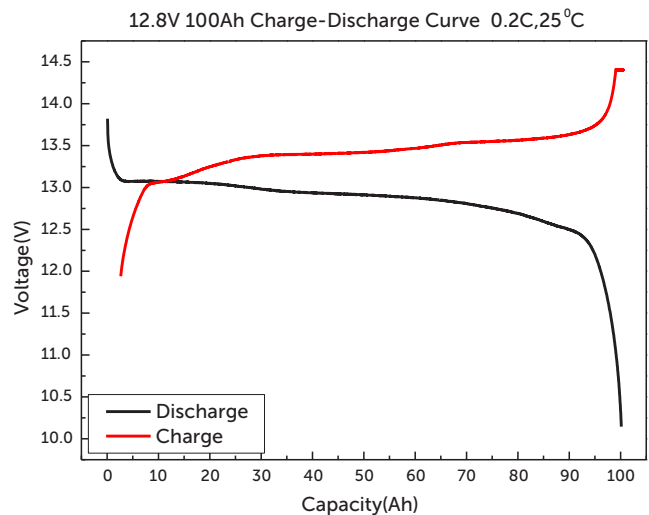
## Benefits

- Total cost of lifetime ownership is, in fact, substantially reduced.
- LiFePO4 batteries will deliver TWICE as much current under load as a Lead-Acid equivalent. Importantly, they will also take a far higher charge current so you are back up to full capacity in no time!
- LiFePO4 batteries weight about 1/2 as much as equivalent Lead-Acid installations. This weight saving can improve boat or vehicle performance.
- LiFePO4 batteries do not produce dangerous (explosive) hydrogen gas.
- No external safety relay is needed.

## Product Specifications

<b>Product Model</b>	SB2203
<b>Normal Voltage</b>	12.8V
<b>Rated Capacity</b>	100±3Ah (At 0.2C discharge rate)
<b>Battery Energy Capacity</b>	1280Wh
<b>Internal Resistance</b>	≤35mΩ
<b>Charge Voltage</b>	14.4±0.15V
<b>Standard Cutoff Voltage</b>	about 10.0V
<b>Charge Current</b>	≤20A
<b>Discharge Current</b>	50A
<b>Max Continuous Current</b>	≤100A (5 sec)
<b>Passive Protection Function</b>	Over charge protection, Over discharge protection, Temperature protection, Balanced function
<b>Battery Terminal</b>	M8
<b>Weight</b>	13.6±0.3kg
<b>Size</b>	328±2(W) x 172±2(H) x 235±3(D) mm

## Characteristics Curve



### ⚠ Caution

- Do not short terminals or reverse polarity
- Do not disassemble or modify battery
- Keep battery out of reach of children
- Do not expose to temperatures over 60°C
- Not suitable for vehicle starting applications

Charge battery every 6 months or when voltage drops below 12.8V.

