GIANT POWER

Quick User Guide

giantpower.com.au

For safe and optimum performance of your GIANT POWER LiFePO4, Lithium Iron Phosphate Battery, please read the following information carefully before using your new battery.

For further information on your battery please visit giantpower.com.au and search for your specific battery.

Australian made for Australian conditions!

Charging your battery

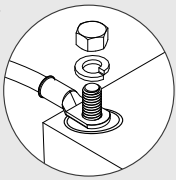
Your Giant POWER battery arrives approx 30% charged and will require a full charge before use.

To ensure that your battery can charge fully and in a reasonable amount of time, the charger:

- does not have to have a lithium profile to work.
- does need to be the right size for your battery and output power in the correct voltage range.
- with a lithium profile, should be at least 10 Amps.
- without a lithium profile, should be at least 15 Amps, set to AGM as this tends to be the closest in voltage to what the lithium batteries want to charge at.

If you have a large battery over 200AH or multiple batteries totaling more than 200AH then we recommend using a charger at least 10% of the size of the battery, so a 300AH battery bank would need at least a 30 Amp charger.

If your charger does not meet the requirements, it won't damage the lithium battery due to the inbuilt safety measures, but it may not charge the battery or only charge to a low level. If this is the case Aussie Batteries & Solar stock a range of lithium battery chargers.



Connecting with a washer

NOTE: Do not place anything such as a washer between the battery terminal and the cables.

Caring for your battery

- Store where it's dry, clean, shaded and well-ventilated at a temperature between 0°C to 40°C when charging.
- During storage store at approx 50% State of Charge (SOC).
- Charge every 6 months if in an unused situation.
- Keep the top of the battery and its terminals clean.
- Protect the battery from being dropped, turning over and serious stacking during loading.
- Can be mounted on it's side.

Battery Management System

GIANT POWER batteries are equipped with an internal Battery Management System (BMS). The BMS monitors and optimises each single prismatic cell during charge and discharge to protect the battery pack from over charge, over discharge and short circuit.

The BMS helps to ensure safe and accurate operation, improving performance and increasing the longevity of the battery.

Voltage	Capacity
14.4V	100%
13.6V	100%
13.4V	99%
13.3V	90%
13.2V	70%
13.1V	40%
13.0V	30%
12.9V	20%
12.8V	17%
12.5V	14%
12.0V	9%
10.0V	0%

The above chart shows the resting voltage of a lithium battery compared to its state of charge in percentage, this is only a guide and accuracy may vary depending on what you are using to measure the voltage. The voltage should be measured while the battery is resting, not while charging or discharging as that will skew the results. 13.4V or above resting can be considered fully charged.

- High cycle and service life
- Engineered and tested to last
- Precision in design
- Designed to integrate seamlessly into existing systems
- Built to withstand the tough Australian environment
- Trustworthy power solutions
- Industry leading warranty
- Australia wide support

FREECALL our Expert Team

1800 853 315

info@giantpower.com.au

Giant Power Lithium Batteries are recyclable at permitted treatment facilities or can be returned to Aussie Batteries & Solar for processing.

Discover more at
giantpower.com.au

Available exclusively at

AUSSIE
BATTERIES & SOLAR

aussiebatteries.com.au

Manufactured in Australia by

SMART
BATTERY TECHNOLOGIES

smartbatterytechnologies.com.au

Australia's leading lithium manufacturer offering locally made lithium batteries, supporting local residents and workers and ultimately delivering premium Australian made lithium batteries nation-wide.

AUSTRALIAN OWNED & OPERATED BUSINESS

AUSTRALIAN OWNED #08016 CERTIFIED