



Best slimline lithium battery australia

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Buy the Best Lithium Battery in Australia. Get your batteries from HBPlus Battery Specialists where you'll find a variety of LiFePO4 brands. Get in touch if you need help figuring out which battery you need for your specific machines. Simply dial +61 3 9770 8235 and our service team will be more than happy to provide advice and support.

2021-Lithium battery buyer's guide. Want fresh food, cold beer, camp lights and charged camera batteries? You need to check out the Unsealed 4X4 Lithium Battery Buyer's Guide for the latest in lightweight power. There is no arguing the surge in popularity of lithium batteries over the past few years.

The new and improved iTECH100SS 100Ah Super Slim Lithium Battery with Bluetooth is small but packs a punch! Measuring at only 55mm wide and weighing in at 14.3kg, the iTECH100SS has been designed to be the ultimate Super Slim battery those with small spaces but wanting maximum power in their Utes, 4WD's and Canopies.

There is no arguing the surge in popularity of lithium batteries over the past few years. When it comes to powering 12V accessories, lithium has been at the forefront of more than a few conversations I have had with mates and punters alike, especially when discussing decent bang-for-buck upgrades.

This surge in lithium battery popularity has come about for several reasons. These include the power density lithium can store; the weight saving over lead-acid batteries; lithium's usable capacity; the longevity of the cells; the typical number of cycles able to be drawn from the battery; and the different form factors (think conventional shape or slimline) that a lithium battery can take.

While a lithium battery is certainly more expensive to purchase, you will find that it will have a far longer life than its lead-acid equivalent. So, it's more of an investment, that can be transferred from vehicle to vehicle when you change-over your 4X4.

This has led to the creation of this lithium battery buyer's guide, in which we examine the different products on the market, arm you with the information you need to be able to decipher battery tech sheets, and help you to gain a greater understanding of what this battery technology is all about and which one specifically will suit your needs, and what you should avoid.

Understanding the specs is critical, so you can choose the right battery that will do everything you need it to do. And no, you don't necessarily need the biggest, angriest packed-with-everything battery you can get your hands on. A mid-spec battery might suit you perfectly, and you might be able to get a better brand or save a few dollars on the way. So, let's look at what everything means.

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To keep things simple, in this Buyer's Guide we're only looking at 100Ah batteries. In other words, we're comparing apples with different flavour apples, not apples and dragon fruit. Also, it's worth noting that lithium-based batteries have a much greater usable capacity than their older-school lead-acid counterparts. Whereas an AGM/Gel deep cycle battery has a usable capacity of around 50 per cent (for decent brand batteries), decent lithium batteries will have around 90-95 per cent usable capacity.

This relates to how hard you can drain the battery. For example, your 12-volt fridge will draw about five amps maximum when it's running; a 1200W inverter will draw around 100 amps at full tilt; and your winch will draw 550-600 amps when working. So, if you're not running a coffee machine, washing machine, portable aircon and an induction cooktop (yes, some people are!), then anything with more than a 50A draw will probably do you. You'll only need to look at high-draw options (or running multiple batteries in parallel) if you really need to draw a lot of juice.

Cell design has changed over the years. Older lithium batteries are made with 18650 style cylindrical cells that resemble AA batteries but are a bit thicker and longer. These cylindrical batteries are connected to create battery banks of 12.8V and 100Ah, and are held together with either plastic frames or, in the case of some cheaper ones, are just glued together.

Nowadays, nearly all lithium batteries feature a "prismatic" style cell arrangement, with four prismatic-shaped (rectangle-box shape) cells at 3.2V and 100Ah each, connected in series to give the nominal 12.8V we need to power our equipment.

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