



Best trolling motor batteries 24v

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Quicklook: 7 Top Trolling Motor Batteries

Lithium batteries are lighter, offer better performance, have longer run times, and last much longer than traditional lead-acid batteries.

Lithium batteries offer huge performance advantages when compared to deep-cycle lead-acid batteries.

Let's take a closer look at the main advantages:

A lithium battery can keep your trolling motor at the same speed for almost twice as long as lead-acid batteries of the same rated capacity.

If you regularly discharge your battery below 50%, it will deteriorate faster, and you will have to replace it sooner.

Lead-acid batteries have significantly lower capacity when discharged fast, known as Peukert's Law. For example, a battery rated for 100Ah can deliver this capacity only when discharged slowly over a 20-hour period, which means a current of 5 Amps. If you want to increase the current to 20 Amps, the same battery will give you only 80Ah, and the available capacity rapidly diminishes as you draw more current.

The same isn't true for lithium batteries. You get the same rated capacity even when discharging them very fast.

Good lithium batteries can handle 3000-5000 charge/discharge cycles.

Most manufacturers will admit that after 3000 cycles, the rated capacity will go down to 75-80% capacity.

3000 cycles equals 3000 fishing days. Incredible, isn't it?

As a comparison, good lead-acid batteries last only 200-300 cycles if discharged only to 50% of their rated capacity. However, if you regularly take them down to 20% of capacity, you will quickly damage the battery, which will have perhaps only around 30-50 cycles available with available capacity diminishing as well.

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