



# Lithium 300 amp hour battery

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?????"Perfect for Off-Grid Adventures in Baja!"Jake M "s working great! I'm running a 7 cu. ft. 12V fridge/freezer and Starlink in our 5th wheel while camping in the deserts of Baja. No more worries about running low on battery power. This battery replaced six large AGM batteries, and it's been a game changer!

?????"Incredible Efficiency for My Koi Pond Setup!"Sarah L., OregonI'm building up a koi fish pond and decided to use Redodo batteries for my power needs. I was able to run my entire load and measured over 95% efficiency compared to the specified capacity of the combined batteries at 7780Wh.

Redodo 300Ah LiFePO4 battery packs more power than three AGM 12V 200Ah batteries combined, yet weighs only one-sixth as much. This reduces the space needed by 60% and simplifies your setup without any extra wiring hassle.

Redodo 300 amp hour lithium battery uses automotive-grade LiFePO4 cells, featuring a low self-discharge rate of just 3%. It offers 4,000 to 15,000 cycles and a 10-year lifespan.

Our 12V 300Ah lithium battery uses advanced technology and a built-in 200A BMS. This system prevents common battery issues like overcharge, over-discharge, over-current, short circuit, and high temperature, making the battery safer and more durable.

Please note, this battery is NOT suitable for use as a starter battery, golf cart battery, or for high-power applications such as water pumps, electric jacks, elevator lifts, pool vacuums, or mowers.

The 12V series batteries support various configurations such as series, parallel, and series-parallel connections. You can connect up to four 12V 300Ah batteries in series, in parallel, or in a series-parallel configuration to achieve capacities of up to 40.96kW and energy storage of 61.44kWh.

It is advisable to store Redodo LiFePO4 batteries at a 50% state of charge (SOC). If storing them for extended periods, it is recommended to cycle the batteries at least every 6 months. Recommended storage environment: 10?~35? (50?~95?),45%RH~75%RH.

The Redodo 12V 300Ah lithium battery can be fully charged by in one day (with effective sunshine 4.5hrs/day) by 1200W solar panels. It may take more than one day to fully charge the battery by  $\geq 1200W$  solar panels since the duration and intensity of light would be a great factor for their charging efficiency.

If the alternator or generator supports DC output, a DC-to-DC charger is needed to connect the battery to the generator; if your alternator or generator supports AC output, please add a suitable battery charger to connect the battery and the generator according to our recommendations.



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The Recommended Charging Voltage: 14.2V - 14.6V. The Recommended Charging Current: (1) 60A (0.2C): the battery will be fully charged in around 5 hrs to 100% capacity; (2) 150A (0.5C): the battery will be fully charged in around 2 hrs to around 97% capacity.

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