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How big a battery should the inverter be

Overview

Note!The battery size will be based on running your inverter at its full capacity Assumptions 1. Modified sine wave inverter efficiency: 85% 2. Pure sine wave inverter efficiency:90% 3. Lithium Battery:100% Depth of discharge limit 4. lead-acid Battery:50% Depth of discharge limit Instructions!. To calculate the battery capacity for your inverter use this formula Inverter capacity (W)*Runtime (hrs)/solar system voltage = Battery Size*1.15 Multiply the result by 2 for lead-acid type. You would need around 24v150Ah Lithium or 24v 300Ah Lead-acid Batteryto run a 3000-watt inverter for 1 hour at its full capacity Related Posts 1. What Will An Inverter Run & For How Long?

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I hope this short guide was helpful to you, if you have any queries Contact usdo drop a. Here's a battery size chart for any size inverter with 1 hour of load runtime Note! The input voltage of the inverter should match the battery voltage. (For example 12v battery for 12v.

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Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: https://kingkongautomotive.co.za
Email: info@kingkongautomotive.co.za
Phone: +27 73 194 5826
Address: Block C, Waterfall Office Park, 1 Magwa Crescent, Midrand, 1685, South Africa

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