



# Battery bank calculator for inverter

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Sol-Ark(R) solar battery bank calculator helps you determine the ideal battery bank size, inverter size, and solar panels that should be installed to create the power you need. Our battery and inverter sizing tool bases its recommendations on the average hours of sunlight received on average during the day, as well as the devices and equipment you want to power when you're off-grid.

Enter a zip code, press submit. Only works for USA.

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Solar panel size calculator

Calculates the minimum recommended battery bank size in amp-hours (Ah). Calculation is based on the power consumption of the system, voltage, target depth of discharge and desired length of backup power required. Enter the daily power consumption in Wh and check the other data (change if necessary).

Please remember that this calculator works out the "minimum" battery bank size for a given power consumption. When using an inverter, the current draw on the battery side can be extremely high, so you may need a battery bank that is larger than the minimum. For example, 1200W drawn at 240V is only 5A, whereas at 12V this current increases to 100A. We recommend that you have a battery bank of at least 220Ah per 1000W and preferably 300-400Ah.

We have a range of hard-working 12V deep cycle batteries from Trojan and Platinum for your renewable energy system. Although many leisure batteries are described as deep cycle, we do not supply these, as they are not designed for heavy use.

Stay up to date with our latest innovations

Once we have assessed your requirements, our experts will call you to discuss the equipment you'll need to achieve your goals.

Please tell us as much as you can about your use case. We understand that you may not be able to answer all questions. We will call you to discuss your requirements in any case.

Do you have a preference for the system voltage?

Do you have a preference for the systems output?



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Contact us for free full report

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