

# How many watts of solar energy are needed for outdoor camping





## Overview

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How much Solar do I need for camping?

To answer the question, how much solar do I need for camping, it is best to compare solar panels by power rating or wattage. Watts is the basic unit of power. The wattage of a solar panel determines the rate at which it will deliver to charge the batteries.  $\text{Volts} \times \text{Amps} = \text{Watts}$ .

Is a 100-watt solar panel suitable for camping?

A 100-watt solar panel is suitable for camping trips. It's a great, eco-friendly alternative to running a car to keep a phone charged for emergencies.

What can you power with a solar system while camping?

A solar system can power small appliances inside your trailer such as microwaves, small fridges, coffee makers and electronics. This expression is applicable mainly if you constantly go camping on an RV or travel in a trailer (nomadic lifestyle). This, of course, is useful if you are going to keep in mind the solar system as a 12V battery charger.

How much power do solar panels need per day?

The total loads used per day is 67Ah, therefore this is the amount of power that your solar panels will need to contribute to charge the batteries each day. To maximise efficiency and extend the life of a battery, the battery should ideally be discharged by no more than 50%. Therefore, this camping setup will need a 134Ah battery.



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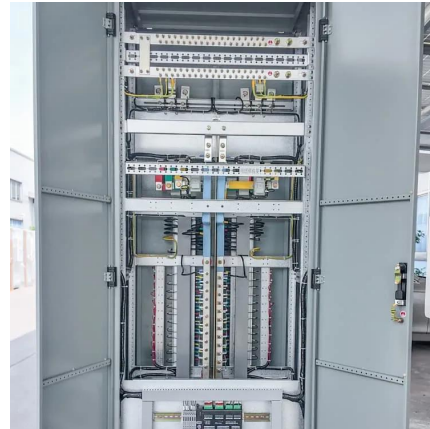
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