

How much capacity solar container outdoor power is needed for camping





Overview

A good rule of thumb is 50-100 watts of solar capacity per person for casual camping use. 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. $\text{Volts} \times \text{Amps} = \text{Watts}$.

How much solar power do I need for a camper trailer?

The average setup for a camper trailer could involve a 80L fridge and a LED camp light kit. If your usage estimate of your fridge and LED camp light kit are around 58.5Ah daily total draw and you have a 120Ah deep cycle 12v battery, a 160W folding solar panel or 3 x 50 watt interchangeable solar panels would be recommended for this usage.

Can a solar blanket charge a camping battery?

Solar power that charges the camping battery can be supplied by combining a fixed solar panel, and a solar blanket. You could also combine a 150-watt fixed solar panel and a portable solar panel. Using fixed and portable power together has many advantages.

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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