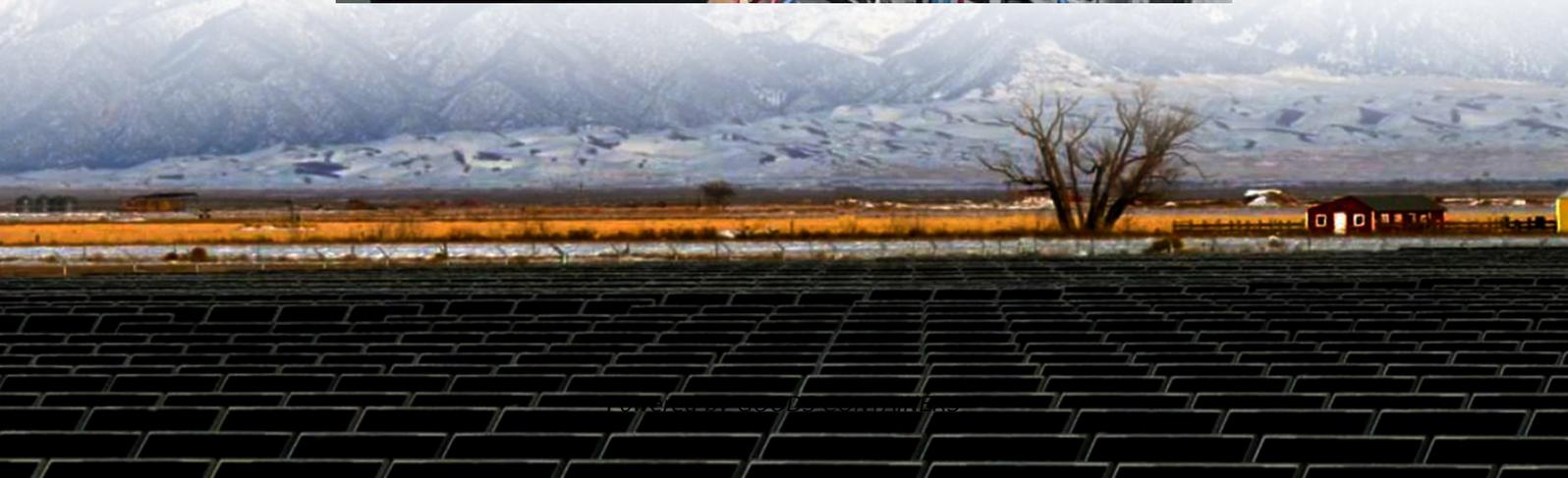


# **How many C does it take for a solar container lithium battery in a power tool to discharge**





## Overview

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Note: The estimated charge time of your battery will be given in peak sun hours. For more information on what peak sun hours are and how to calculate them, please refer to our in-depth guide.

How to calculate lithium ion battery charge time?

Choose accordingly. [How Do You Calculate Lithium-Ion Battery Charging Time?](#)

Here are the methods to calculate lithium (LiFePO4) battery charge time with solar and battery chargers. Formula: charge time = (battery capacity Wh × depth of discharge) ÷ (solar panel size × Charge controller efficiency × charge efficiency × 80%).

How to calculate solar battery charge time?

Output power (W) = total watts (W) x conversion efficiency of the solar system x (1 - charge controller's power consumption rate) Substitute the data to get the output power of your solar panel is 1615W, and then finally divide the solar battery charge by the output power of the solar panel to get the charging time, i.e.:

How much power does a solar charge controller use?

Under normal circumstances, the power consumption rate of solar charge controllers is between 5% and 10%. [6. How to Calculate the Time Required to Charge a Solar Battery](#) After getting the above data, you can calculate how long it will take to charge your solar battery.

How long does it take to charge a solar panel?

You are placing the charging battery solar panel set up under perfect sunlight conditions. Then via MPPT solar panel charge converter, it will hardly take 5-6 hours to charge the battery properly. Whereas under the same conditions, the PWM charge controller would take 7-8 hours to charge the battery to its utmost level.



## How many C does it take for a solar container lithium battery in a p

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### [How to Calculate Charging Time of Battery by Solar Panel](#)

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