

# **Does the on-site energy with solar panels need to be charged**





## Overview

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When can a solar battery be charged?

Some batteries can be charged from grid electricity during off peak times (e.g. overnight). The energy stored in a solar battery system is used in the home whenever there is energy usage above the level produced by the solar panels (typically in the evening peak).

Should I charge my solar panels with grid power?

So, when your electricity is at its cheapest and your battery storage for solar panels needs a little help, simply charge the battery with grid power. The energy you store will help to power your home at times of the day when electricity costs are at their highest.

Can a solar power battery charge from the mains?

Even if you have solar power battery storage, maximising it to ensure you're fully self-reliant is, at times, impossible. When you have a solar energy battery you can charge directly from the mains with grid electricity, however, you can top up when your electricity tariff is at its cheapest. And that's usually during the night with an EV tariff.

What happens if a solar panel doesn't have a battery?

Without a battery, excess power is sent back to the grid, depending on your setup and location. Solar panels typically generate electricity during the day, but a solar battery can store energy for use at night or during cloudy days. A battery increases energy independence, provides backup power during outages, and can help reduce your energy bills.



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