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Are you generating surplus solar energy only to watch it be exported to the National Grid? We've had the same problem and discovered that storing excess solar energy for nighttime use is a perfect solution.

This blog reveals how Solar Battery Storage, an ingenious system, allows you to store excess electricity during daylight hours and use it when needed later. It's time to harness the power of the sun even after sundown!

Solar Battery Storage is a technology that allows homeowners to store excess energy generated by their solar panels during the day, for use during the nighttime. It works by charging batteries with the surplus electricity instead of exporting it to the grid, reducing reliance on external sources for energy consumption.

Once the sun goes down, or if there's a blackout, this stored energy comes back out of the battery and gives you electricity. So even when it gets dark, or if all other homes lose electricity, you've got power from your saved-up sunlight!

One of the benefits of solar battery storage is its ability to reduce reliance on the grid. With a solar battery system, you can store excess energy generated by your solar panels during the daytime and use it at night when there isn't enough sunlight.

This means that you don't have to rely solely on the electricity from the grid during nighttime hours, reducing your dependence on traditional power sources. By using stored energy instead of drawing from the grid, you can further maximise your savings and decrease your carbon footprint.

DC battery systems are one type of solar battery storage that homeowners can consider. These systems store excess solar energy generated by the PV panels in DC form, which is then converted to AC for use in the home.

DC battery systems are an efficient way to store and utilise surplus electricity, providing a reliable source of power during nighttime hours when the sun isn't shining. They also offer backup power during power outages, ensuring that essential appliances and devices continue to function.

AC battery systems are another type of solar battery storage solution. AC stands for alternating current, which is the type of electricity that comes from the power grid and is used in most homes.

With AC battery systems, the excess solar energy generated by your panels is first converted into direct current (DC). Then, it goes through an inverter that converts it back into AC before being stored in the batteries.

One advantage of AC battery systems is their compatibility with standard household appliances and devices.



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You can use this stored energy during nighttime when your solar panels aren't producing electricity or during power outages.

This will help determine the capacity of the battery system you require. It's important to choose a size that matches your needs while keeping in mind factors like cost and available space for installation.

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