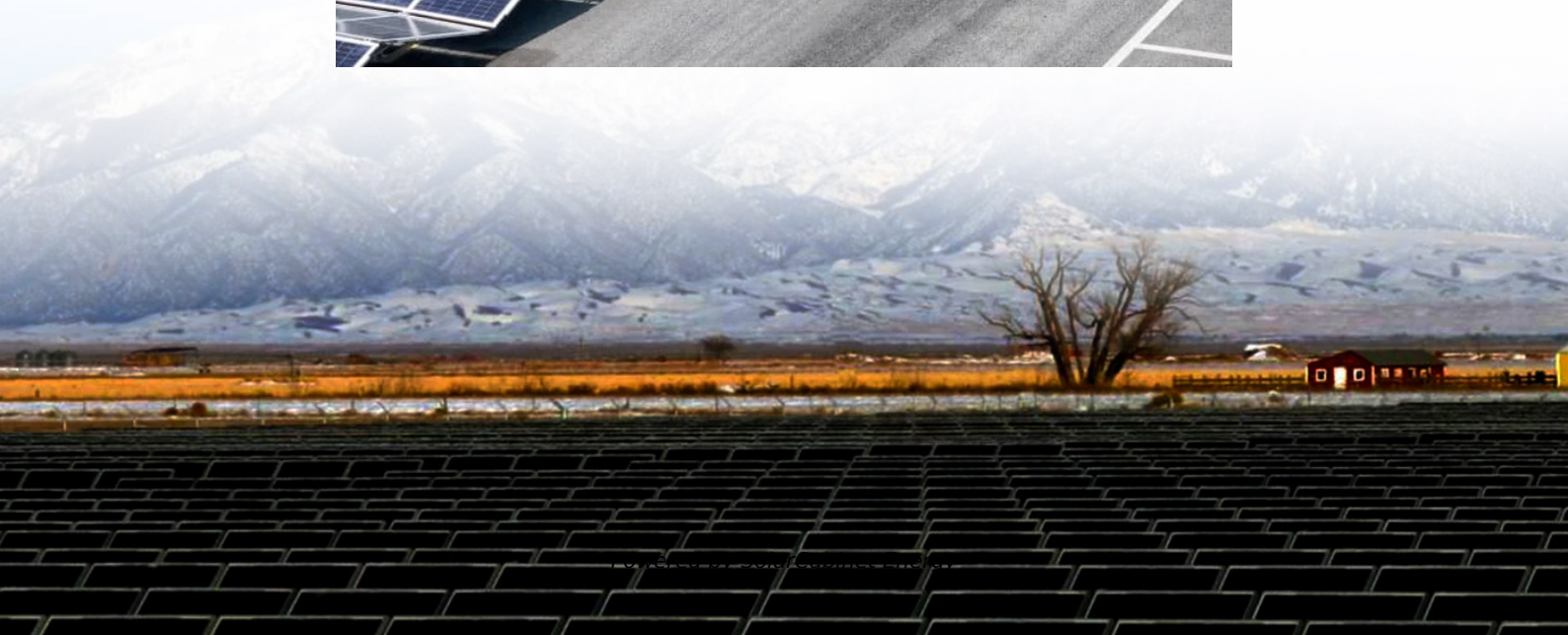


Solar energy on-site power supply is not enough





Overview

What happens if your solar energy system doesn't supply enough electricity?

This means that if your solar energy system doesn't supply enough electricity, the grid will supply the rest. Myth #2: Solar panels aren't efficient enough. Some customers hear that solar panels have an efficiency rate of 22% and wonder why it's not 100%.

Are You entitled to the power my solar panels produce?

You are entitled to the power produced by your own solar panels, as long as they are functioning properly. However, if you purchase your own solar system, the panels will be backed by separate manufacturing warranties, but there are no guarantees on energy production.

Should wind and solar be a serious part of the power system?

That means that for wind and solar to be a serious part of the power system, there must be some other form of generation or storage that can step in and seamlessly fill the power gap when the renewables stop producing. In most installations to date, intermittency has not been much of a problem.

Will building wind and solar farms close dirty power plants?

But using the grid makes for dirty emissions. Most grid power is generated by the only reliable sources available—usually coal or natural gas. So whereas we'd like to believe that building wind and solar farms will allow us to close dirty power plants, it's not so.

Do solar panels produce more power than you need?

If your solar panels don't produce more power than you need, your higher-than-average energy usage will still be supported by the grid. We're also one of the only solar companies that won't make you pay if your solar panels produce excess power.

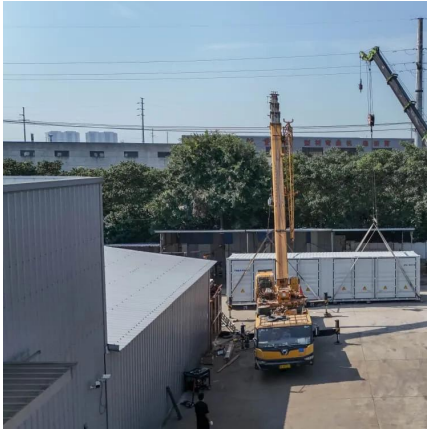


Do wind and solar have a problem?

But, unfortunately, wind and solar have a problem—intermittency. The solar farm in the picture above produces no power at night and little on cloudy days. Similarly, wind generators stop producing when the wind quits. On the other hand, a city, state, or country needs reliable electric power day and night, all year long, regardless of the weather.



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[How Onsite Power Plants & Microgrids are Revolutionizing Energy ...](#)

What Are Microgrids and Onsite Power Plants? A microgrid is a localized energy system that can operate independently or in conjunction with the main power grid. It integrates ...

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