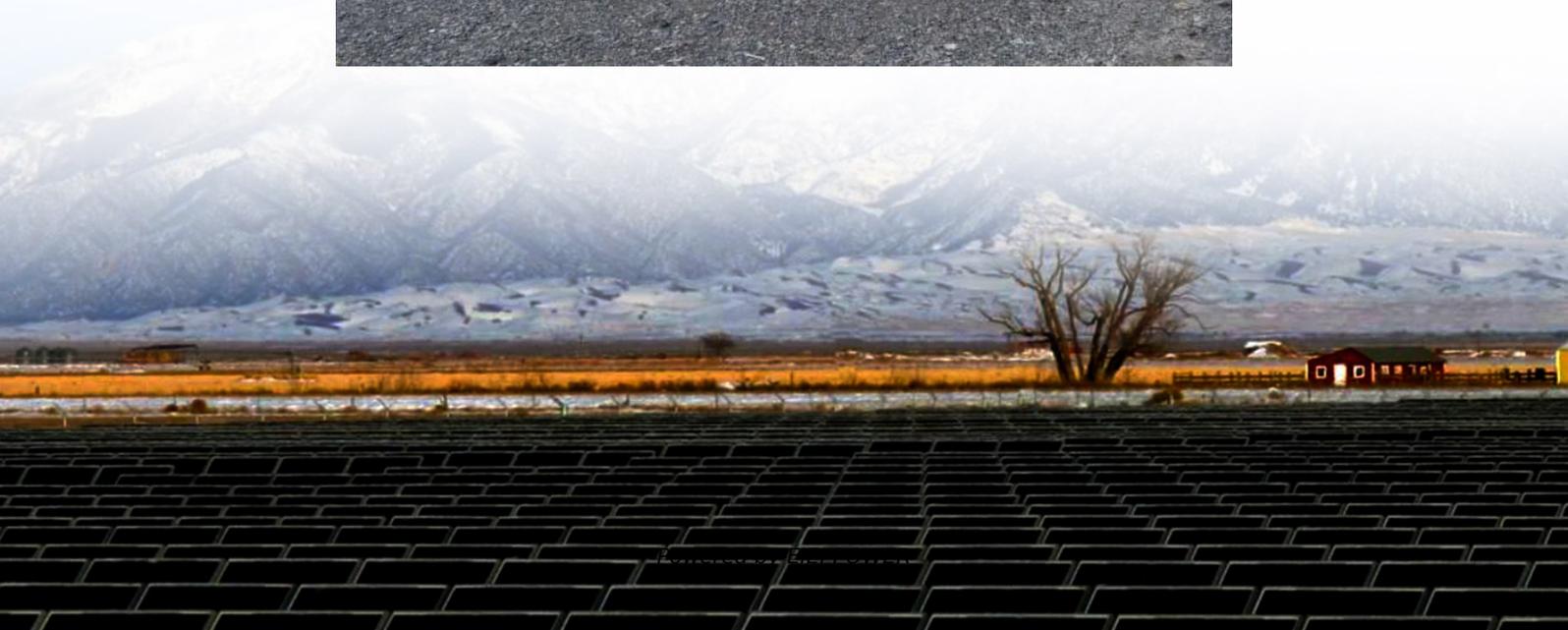


Insufficient on-site energy supply from solar panels





Overview

What happens if a solar panel fails?

It's also possible that one solar panel in your pv array failed. As the pv modules are connected in series, one failing pv module will shut down the entire system. If your solar system is not delivering sufficient power for which it is rated for, the resulting situation is called a low power situation.

Why does my solar system have low power?

The factors that could contribute to a low power problem are: This is possibly the most common cause of low voltage. Ensure that there are no trees around and that the solar panels are not blocked by shadow at any time during the day. Keep in mind that a solar systems lasts for more than 25 years and trees grow over time.

Why is my solar system not working?

There are two failure modes which the solar system maybe experience. These two conditions which may require troubleshooting are: Zero output is a common problem and in nine out of ten cases, it is due to a faulty inverter or charge controller. It's also possible that one solar panel in your pv array failed.

Why do solar panels have a low power output?

Conducting a bi-annual survey of the installation site is a good idea. If shading is not an issue, most likely it will be the higher than normal operating temperature of the solar panels. It has been scientifically proven that the voltage drop rises with the rise in temperature. The higher the temperature, the lower will be the power output.



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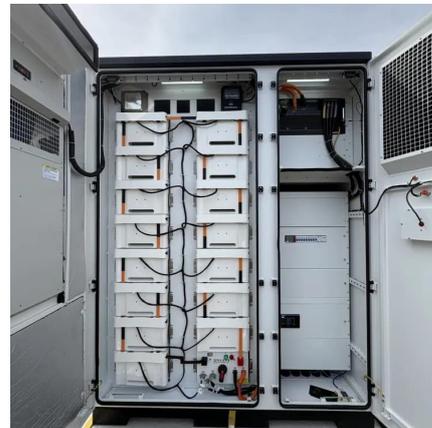


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