

Solar energy storage design considerations





Overview

Should a solar system have a battery storage system?

Have a battery storage system. The best-case scenario is when a solar system is already designed with storage in mind, known as a storage-ready solar system. In these systems, it should be an easy, almost plug-and-play process to add storage (more on making a solar).

How difficult is it to add storage to a solar system?

For an existing solar system. How difficult it is to add storage, and the best way to go about it, depend on a few key factors including 1) the ownership structure of the existing solar array, 2) how storage is addressed in net metering policies, and 3) whether the solar system was installed.

What are the metering requirements for solar+storage systems?

Get past these restrictions. **METERING REQUIREMENTS:** For solar+storage systems designed to participate in net energy metering or other programs where utility bill credits are earned for solar energy produced or exported to the grid, additional meters may be required by the utility to track and verify that only solar energy.

Is solar+storage a good option for a critical de-Vice Project?

Working together is worth exploring. Getting an early idea of the power and energy needs of critical de-vices can provide a sense of needed system sizing and help determine if the project's resilience goals can be feasibly met by solar+storage alone, or if other forms of onsite generation, such as combined heat and power systems and traditional backup generation.



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