



# Solar outdoor on-site energy with no subsequent costs

How can on-site solar PV & energy storage improve sustainability?

To achieve sustainability goals while meeting the increasing electricity demands of electrification, organizations are pairing on-site solar PV generation with on-site energy storage. These systems, which are considered as "behind-the-meter" (BTM) systems, allow facilities to maximize the benefits of on-site renewable generation.

Can on-site storage be used alongside solar PV?

If a utility restricts the exports from a facility to the grid, the use of on-site storage alongside solar PV can provide a solution to avoid costly infrastructure upgrades, thus increasing the feasibility of larger on-site PV installations.

Should solar PV production be reduced on-site?

Increasing the amount of solar PV production on-site can provide additional cost and emission reductions and resiliency benefits for facilities. However, the additional generation that can result from larger systems during peak daylight hours must be exported or managed through curtailment on-site.

What are the benefits of an on-site solar PV system?

For the scenario represented in the graph, an on-site solar PV system allows the facility to reduce the amount of electricity drawn from the grid during the middle of the day. Increasing the amount of solar PV production on-site can provide additional cost and emission reductions and resiliency benefits for facilities.

Does a solar company offer free solar panels?

When a solar company offers free solar panels or a no-cost solar program, they refer to solar leases and power purchase agreements (PPAs). With solar financing arrangements, a solar company will install a solar system on your roof at no up-front cost. But the truth is that you don't yet own the solar system.

Are solar off-grid systems modular?

A. Yes, most solar off-grid systems are modular, allowing you to expand with additional panels, batteries, or inverters as your energy needs grow. Switching to off-grid solar systems offers energy independence, sustainability, and long-term savings.

Zero-down solar options allow you to move towards solar energy projects without worrying about upfront costs (\$0 down). Solar leases, power purchase agreements (PPAs), and solar loans ...

With our model of solar with no upfront costs, you can start saving on your electricity bills from day one. In this article, we'll explain the benefits of zero investment solar power and how it helps ...



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Explore everything about off-grid solar batteries: systems, costs, top products, and setup tips in 2025. Learn how to live off the grid sustainably with solar power solutions.

Onsite solar installations are renewable energy systems deployed directly on your business premises. These systems offer immediate and visible benefits while giving you direct ...

Download our guide to leveraging solar financing and battery storage financing in combination with incentives to access energy solutions that cut energy costs, generate revenue, and meet ...

But energy costs are rising, and volatility in utility pricing is making it harder for businesses to forecast and control expenses. This is where onsite solar offers a game-changing advantage. ...

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The U.S. Department of Energy's (DOE) Onsite Energy Program provides technical assistance, market analysis, and best practices to help industrial facilities and other large energy users ...

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