

SolarInnovate Energy Solutions

Onsite Energy Solar Power Generation Kit



Overview

What is on-site power generation?

At its core, on-site power generation is just as straightforward as it sounds: it's the production of electricity right where it's needed, be it a home, a business, or a small community. Forget about long-distance transmission lines with their energy losses, power surcharges, and other miscellaneous fees.

What is on-site power technology?

Forget about long-distance transmission lines with their energy losses, power surcharges, and other miscellaneous fees. This approach focuses on generating power close to the point of consumption, which is not only more efficient, but also more environmentally friendly. [A Closer Look at On-Site Power Technology.](#)

Is on-site power generation a smart investment for your business?

In an era where energy efficiency and sustainability are more crucial than ever, on-site power generation is becoming increasingly essential. With advances in technology making these systems more accessible, the future looks bright. When you partner with Catalyst Power, on-site generation becomes a smart investment for the future of your business.

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.

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.

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