

# **Solar power generation on-site energy without pulling network cables**





## Overview

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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.

Is on-site energy generation a viable alternative?

On-site energy generation technologies such as cogeneration systems, with higher resource consumption efficiencies, provide a feasible alternative to address these concerns. However in practice, on-site energy system configuration is done without taking into account the dynamic nature of the manufacturing plant’s energy demand.

How can a solar power system save you money?

Use solar power to save you money and reduce your carbon footprint. The most common on-site renewable energy systems are solar-powered. Solar setups convert light energy from the sun into electrical current. They can be installed in sun-facing areas such as rooftops, external walls or parking lots.

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.



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