

SolarInvert Energy Solutions

Solar on-site energy one to two solar panels

PUSUNG-R (Fit for 19 inch cabinet)



Overview

Is on-site solar a good choice?

While not a de facto choice – especially for large hyperscale facilities – on-site solar is growing in popularity as companies look to boost their green credentials and save money against high energy costs. Operators large and small have deployed solar panels to the rooftops of their facilities.

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 solar power a necessity?

In some markets, on-site generation is a necessity if a company wishes to get a facility through the planning process. And, at a time of increasing energy costs, every penny counts. “On-site solar power is one of the lowest-cost sources of clean energy but can have some limitations,” says Iron Mountain’s Pennington.

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.

How much does a solar system cost?

A CBRE report from 2022 suggested an 800kW system would require around 100,000 sq ft (9,290 sqm) and could produce up to 1.6GWh of electricity per year in the Southwestern US, or around 900,000MWh in the Pacific Northwest. Costs will vary, but a 2MW solar deployment might cost more than \$1 million.

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12V 10AH



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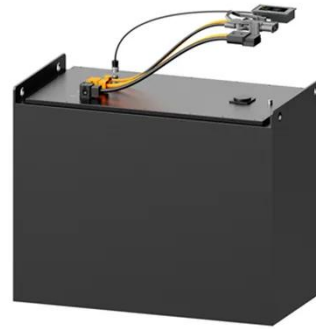
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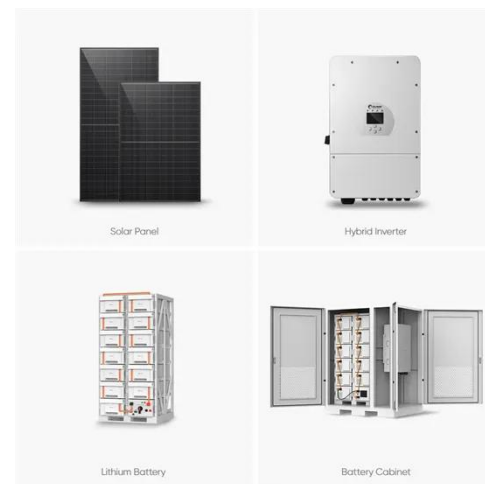
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What Is An Onsite Solar System? , Knobelsdorff ...

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Large-Scale Solar Siting Resources , Department ...



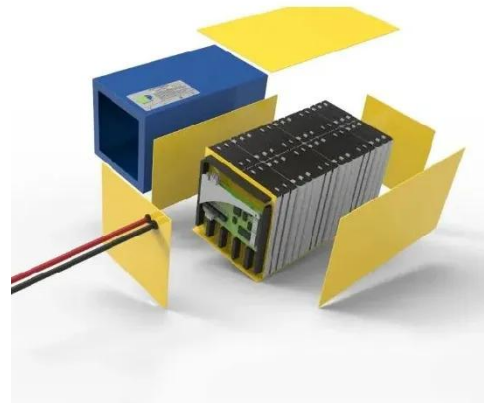
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