



BUHLE POWER

Rooftop integrated solar system





Overview

What is a solar roof?

Solar Roof is comprised of both glass solar tiles and steel roofing tiles. Glass solar tiles produce energy, while architectural-grade steel tiles add longevity and corrosion resistance to your roof. Both are durable, strong and engineered for all-weather protection.

What is a solar green roof mounting system?

The magic of this system really comes down to the base of the Solar Green Roof mounting system, as it simultaneously performs two key functions. Firstly, it serves as the green roof system's drainage board, storing a fixed amount of water for the plants above and carrying away the excess.

How many solar panels are on a roof?

The roof was maximally covered with 80 of 300 W PV modules and each side of the roof has 40 modules, occupying 137 m² roof space, leading to 24 kWp installed capacity per roof. The roof was categorised into two: (1) – Building 01-Roof Area South and Building 01-Roof Area North (2).

How does a rooftop solar PV system work?

Converts solar energy into electricity. This can be used to meet the building's own energy consumption requirements or, in certain situations, fed back into the electrical grid. Rooftop solar PV systems are distributed electricity generation options, which help to meet a building's energy needs, or provide electricity within



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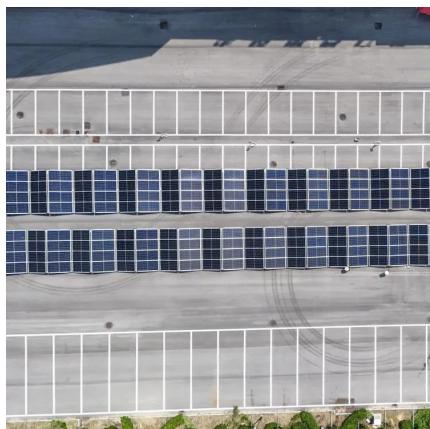
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[Five minute guide Rooftop Solar PV](#)

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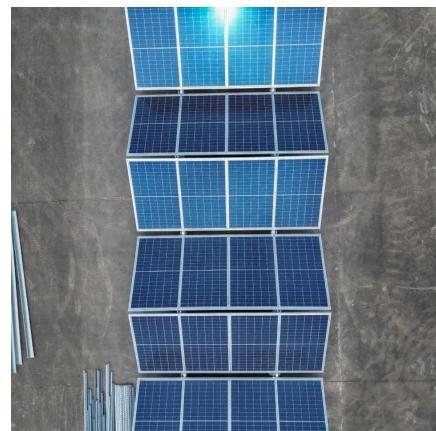


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Solar roof

Advantages & roof structure of solar roofs. Modern & innovative solar systems for new build & retrofitting. Roof-integrated solar solution for commercial and industrial roofs.



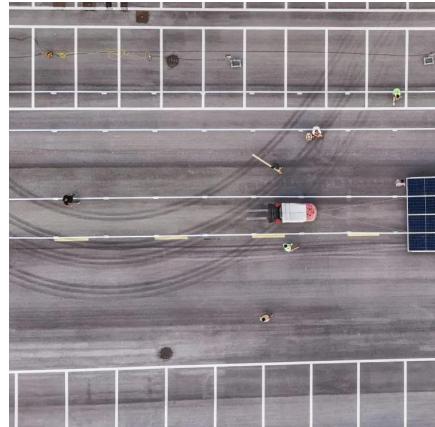
Integrated Rooftop Solution

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