

# **Uganda s flat roofs can be directly covered with photovoltaic panels**





## Overview

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Are flat roofs a good choice for solar panels?

Flat roofs provide ample space and flexibility for installing solar panels, making them an attractive option for both residential and commercial buildings. Unlike pitched roofs, flat roofs do not have the constraint of a predetermined angle, allowing for optimal panel placement and orientation.

Does a flat roof need a solar system?

Flat roofs often face challenges with water drainage. Ensuring proper drainage is critical in preventing water accumulation, which can damage both the roof and solar panels. Installing a solar system with consideration for drainage patterns and ensuring weatherproofing can prevent leaks and extend the lifespan of both the roof and the solar panels.

What happens if you put solar panels on a flat roof?

With a flat roof, dirt will build up much more easily. The dirt blocks the sun, lowering your solar panel system's production. No warranty coverage: Many manufacturers include clauses that void the warranty if the panels are installed flat against a flat roof. Water can pool on top of horizontal solar panels, increasing the risk of water damage.

Can you install solar shingles on a flat roof?

You shouldn't install solar shingles on a flat roof. They won't be efficient, they'll collect dirt, and they'll pool water. Also, flat roofs don't usually have shingles anyway, so you won't reap the same aesthetic benefits as a sloped roof. We recommend only installing properly mounted solar panels on a flat roof.

Should solar panels be angled on a flat roof?

In conclusion, while flat solar panels can generate energy, angling them on flat roofs is the recommended approach for better performance. A slight tilt



ensures that the panels capture the most sunlight, prevents water pooling, and extends the lifespan of the system.

How can Uganda scale up solar PV investment?

As part of efforts to scale up solar PV investment, the government of Uganda introduced model contracts in their investment guides. Additionally, IRENA, the Terrawatt Initiative, and leading international law firms also supported Uganda by drafting simplified and standardised templates for solar PV documents that are publicly available.



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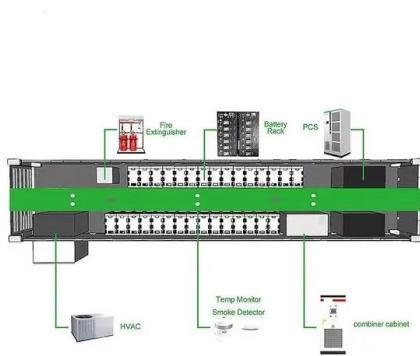
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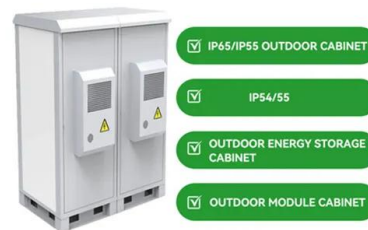
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