

# Huawei's photovoltaic panels on Albania's rooftops

What is the ideal angle to tilt solar PV panels in Albania?

So far based on Solar PV Analysis of 6 locations in Albania, we've discovered that the ideal angle to tilt solar PV panels in Albania varies between 35° from the horizontal plane facing South in Tirana and 34° from the horizontal plane facing South in Vlorë.

Why is Albania investing in solar energy?

Rather than relying on a single source, Albania is now actively investing in new technologies and diversifying its renewable mix. Albania receives a high number of sunny days each year, particularly in the south and along the coast. This makes solar energy one of the most promising additions to the national grid.

How will wind power affect Albania's future energy mix?

Permits, infrastructure, and testing are still in development, but wind power is expected to become a major contributor to the country's future energy mix. Combined with solar, it will reduce Albania's seasonal dependence on rainfall and increase year-round production stability.

Why is Albania rethinking its energy future?

Albania must then rely on expensive electricity imports to meet demand. This vulnerability pushed the country to rethink its energy future. Rather than relying on a single source, Albania is now actively investing in new technologies and diversifying its renewable mix.

Why is Albania launching a new phase of energy security?

The country is now entering a new phase -- one that includes solar, wind, and international partnerships aimed at building long-term energy security. Hydropower has historically covered more than 90 percent of Albania's electricity generation. The country's rivers and mountain terrain made it a natural choice.

Why does Albania rely on hydropower?

Hydropower has historically covered more than 90 percent of Albania's electricity generation. The country's rivers and mountain terrain made it a natural choice. But that strength also became a weakness. During dry years, electricity production drops sharply. Albania must then rely on expensive electricity imports to meet demand.

It provides smart PV solutions for residential, commercial, industrial, utility scale, energy storage systems, and microgrids. It builds a product ecosystem centered on solar inverters, charge ...



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