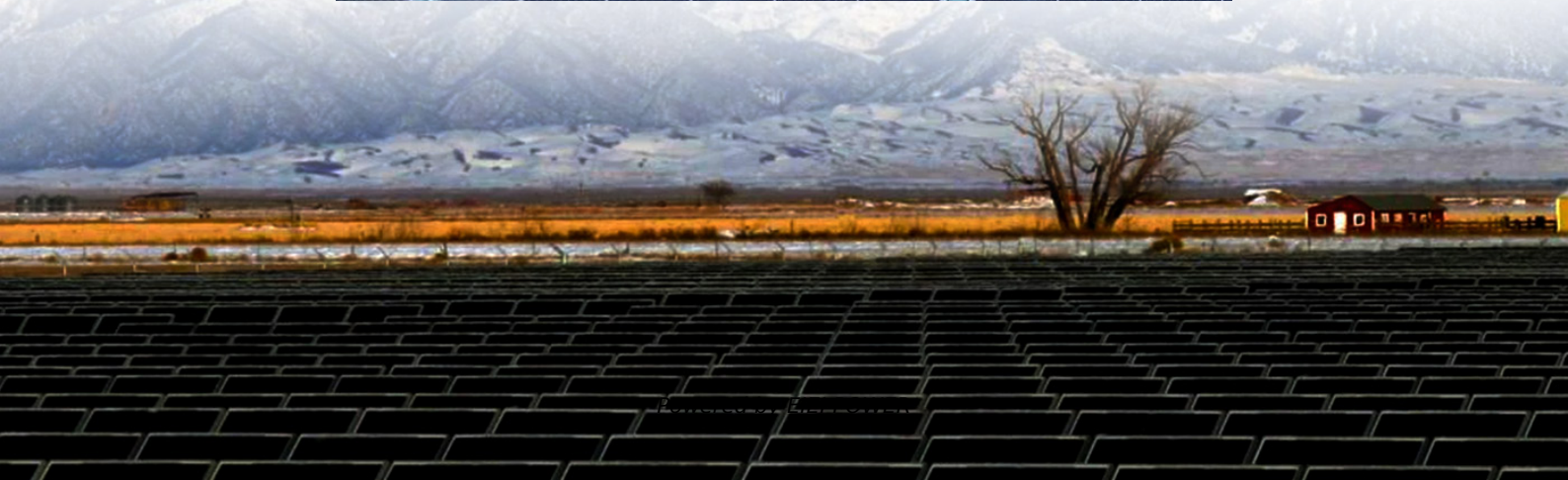


# **Izmir Turkey promotes the construction of solar panels on roofs**





## Overview

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What is Turkey's rooftop solar potential?

Türkiye's rooftop solar potential is close to ten times its current installed solar capacity. The top three provinces for total rooftop solar potential are Istanbul (10.4 GW), Ankara (10.1 GW) and Izmir (9.3 GW), the provinces with the highest population.

Can Türkiye expand its rooftop solar capacity?

Türkiye's rooftop solar potential is over 120 GW, ten times its current installed solar capacity and enough to meet 45% of electricity consumption. This study considers potential for expanding solar rooftop capacity in Türkiye, alongside potential benefits and routes towards policy implementation.

Will Türkiye's policies lead to a rapid increase in rooftop solar installations?

In fact, the installed rooftop capacity doubled for two consecutive years and reached 3 GW in 2022. Despite being far behind in rooftop solar power potential, Türkiye's policies could likewise lead to a rapid increase in rooftop solar installations. Download Acknowledgements Cover photo Mikel Bilbao / Alamy Stock Photo Contributors.

How to optimize solar generation in Izmir Turkey?

Assuming you can modify the tilt angle of your solar PV panels throughout the year, you can optimize your solar generation in Izmir, Turkey as follows: In Summer, set the angle of your panels to 22° facing South. In Autumn, tilt panels to 42° facing South for maximum generation.



## Izmir Turkey promotes the construction of solar panels on roofs

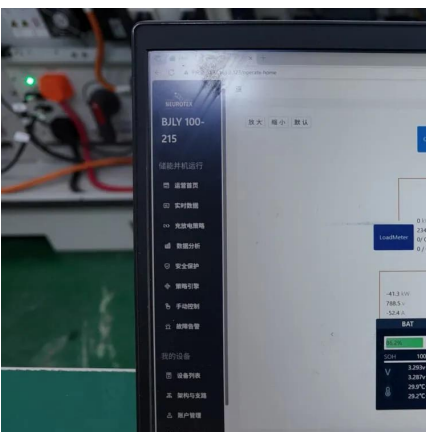
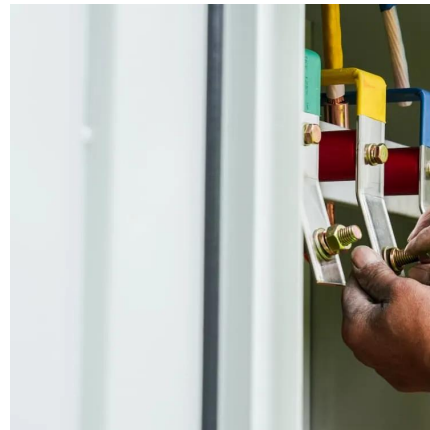


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Ideally tilt fixed solar panels 32° South in Izmir, Turkey To maximize your solar PV system's energy output in Izmir, Turkey (Lat/Long 38.4549, 27.2506) throughout the year, you should tilt ...



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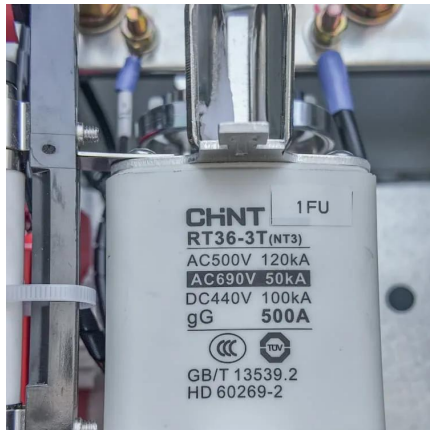
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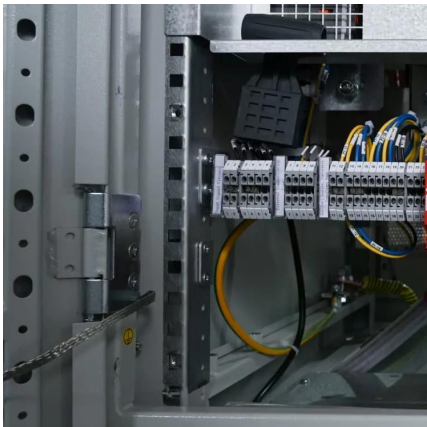
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