



# Lebanon exports solar modules





## Overview

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The solar energy market in Lebanon experienced a dramatic decline. In 2024, imports of solar panels dropped by 41% compared to 2023 and by 82% compared to 2022, according to data from the Lebanese Customs Authority. A record high was reached in 2022, with 5 million panels imported, while only 2.24.

Like tens of thousands of Lebanese people, the Mazloums have turned to solar power to generate reliable—and cost-effective—electricity in a country where the crisis-stricken state provides as little as one or two hours of power a day. From left: Roger Mazloum's mother, Odette, in their living room;

Lebanon faces an enduring energy crisis, characterized by persistent electricity shortages and an overreliance on polluting self-generation methods, particularly in urban areas like Beirut. Despite the lack of proper policy support, solar electricity has increased significantly since 2020. This. How many solar panels did Lebanon import in 2022?

In 2022, Lebanon imported 80,315 tons of solar panels, quadrupling the total imported in the previous decade, with over US\$500 million invested by the private sector in decentralized solar applications (Boukather, 2023). By June 2023, decentralized solar installations had reached an estimated capacity of 1,000 MW (Taha and Akel, 2024) 2 .

Does Lebanon have solar power?

Myriam Boulos—Magnum Photos for TIME Lebanon went from generating zero solar



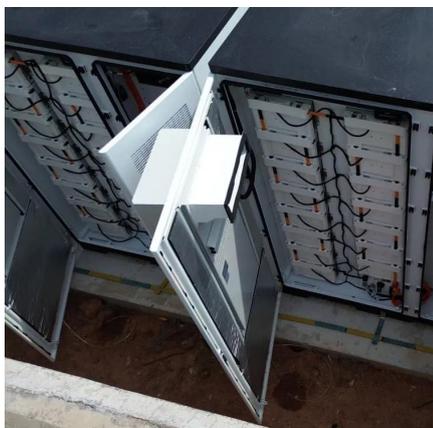
power in 2010 to having 90 megawatts of solar capacity in 2020. But the major surge happened when a further 100 megawatts were added in 2021 and 500 megawatts in 2022, according to the LCEC's Khoury.

Are the mazloums in Lebanon getting solar panels?

The Mazloums are hardly alone in Lebanon. Solar panels have been cropping up across the country over the past two years, from the rooftops of rural households to urban apartments, and from atop family-run businesses to buildings housing national and multinational organizations.



## Lebanon exports solar modules



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This has pushed tens of thousands of Lebanese to look for alternatives - and notably to solar photovoltaics - in an attempt to ensure their basic electricity coverage. Since ...

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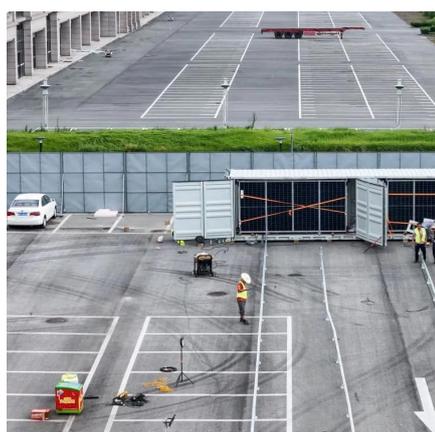
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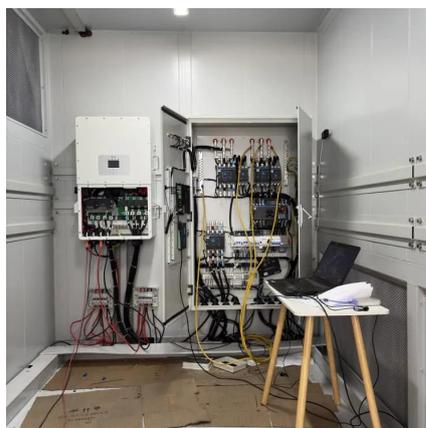
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