

# Amman rooftop solar energy storage





## Overview

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Can solar power reduce reliance on fossil fuels in Jordan?

The study found that Jordan has a significant potential for implementing solar and wind power, which could reduce the country's reliance on fossil fuels. Bataineh et al. (2014) [ 125] conducted an optimal design of a hybrid power generation system to ensure a reliable power supply to the health center in Mafrq, Jordan.

Do green buildings reduce energy consumption in Jordan?

The Jordanian green building certification system based on the LEED standard was validated by Alshorman et al. (2018) [ 93 ]. The scholars evaluated the energy efficiency of green buildings in Jordan and found that they can significantly reduce energy consumption compared to conventional buildings.

Do rooftop solar PV systems provide optimum energy management and economic feasibility?

Also, Al-Salaymeh et al. (2010) [ 31] addressed the importance of various rooftop solar PV systems in providing optimum energy management and economic feasibility for Jordanian citizens with the help of the Polysun simulation package.

Can PV systems reduce peak demands and energy costs in Jordan?

In Ref. [ 110 ], scholars reported that PV systems could be used to reduce peak demands and energy costs in Jordan. The study shows that installing PV systems can reduce energy costs by up to 10% for large commercial buildings.



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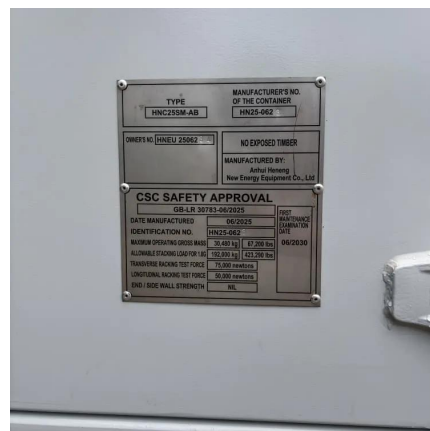
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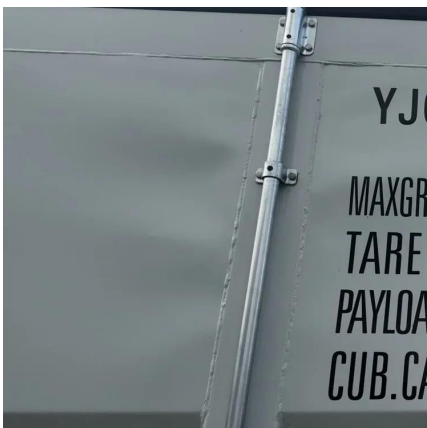


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