

The proposed work is novel in that it focuses on the design of a sustainable living system for carbon-reduced residential buildings in Jordan, considering the new governmental support in kWh prices, which enables average Jordanian citizens to install a feasible photovoltaic system.



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## JORDAN SOLAR SYSTEM FOR RESIDENTIAL HOUSE





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Jordan has major plans for increasing the use of solar energy. As per the Energy Master Plan, 30 percent of all households are expected to be equipped with solar water heating system by the year 2020. The Government is hoping to construct the first Concentrated Solar Power (CSP) demonstration project in the short to medium term and is

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In Jordan, residential buildings account for about 24% of the total energy consumption and 42% of the total electricity use [17]. By 2030, it's predicted that 67% of the overall energy demand would come from residential use; while the non-residential sector's share will be just over 33% [20].



Jordan's Ministry of Energy and Mineral Resources (MEMR) activates an online platform for citizens to inquire about the subsidy program for residential solar heaters and PV systems. This initiative, managed by the Renewable Energy and Energy Efficiency Encouragement Fund, provides direct financial support, covering 30% of installation costs



Jordanian solar panel installers ??? showing companies in Jordan that undertake solar panel installation, including rooftop and standalone solar systems. 44 installers based in Jordan are listed below.