



# How many watts of solar power does Jordan generate





## Overview

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Jordan ranks 38th in the world for cumulative solar PV capacity, with 1,521 total MW's of solar PV installed. Each year Jordan is generating 149 Watts from solar PV per capita (Jordan ranks 35th in the world for solar PV Watts generated per capita). [source].

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Below is the average daily output per kW of Solar PV installed for each season, along with the ideal solar panel tilt angles calculated for various locations in Jordan. Click on any location for more detailed information. Explore the solar photovoltaic (PV) potential across 8 locations in Jordan.

How much electricity does Jordan s photovoltaic panels generate Page 1/4  
SolarCabinet Energy How much electricity does Jordan s photovoltaic panels generate Powered by SolarCabinet Energy Page 2/4 Overview What is the solar energy potential in Jordan?

The solar energy potential in Jordan is.

The solar energy potential in Jordan is enormous as it lies within the solar belt of the world with average solar radiation ranging between 5 and 7 KWh/m<sup>2</sup>, which implies a potential of at least 1000GWh per year annually. Solar energy, like other forms of alternative energy, remains underutilized.

In 2021, the composition of the total energy supply (TES) consisted of 51% oil, 38% gas, 3% coal, and 8% renewables. Modern renewables (that is, non-fossil fuel, non-biomass sources) made up 10% of final energy consumption in 2020; this is an increase from 3% in 2015. Law No. 13, enacted on April.

Solar or wind energy powers approximately 29 percent of the electricity grid and Jordan aims to reach 50 percent of electricity from renewables by 2030 through a focus on smart grid development and energy storage projects. Jordan has long-term potential for additional RE investments, enjoying an.



apacity (kWh/kWp/yr). The bar chart shows the proportion of a country's land area in each of these classes and the global distribution of land area across the classes at a height of 100m. The bar chart shows the distribution of the country's land area in each of these classes compared to the global.



## How many watts of solar power does Jordan generate

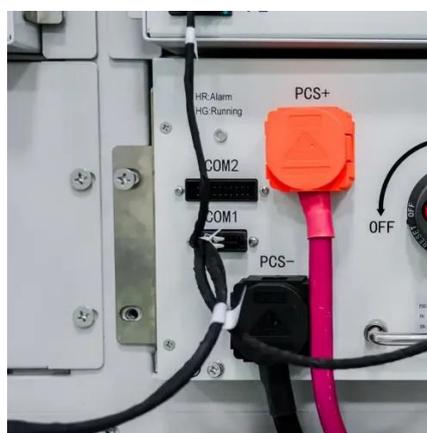


### Solar Energy in Jordan

One of the most promising potential investments in renewable energy worldwide will be installing more than 250 MW of concentrated solar power (CSP) in Jordan's Ma'an ...

### [How much electricity does Jordan s photovoltaic panels ...](#)

Here, your 200-watt solar panel could theoretically produce an average of 1,000 watt-hours (1 kilowatt-hour) of usable electricity daily. In this same location, though, a larger-wattage solar ...

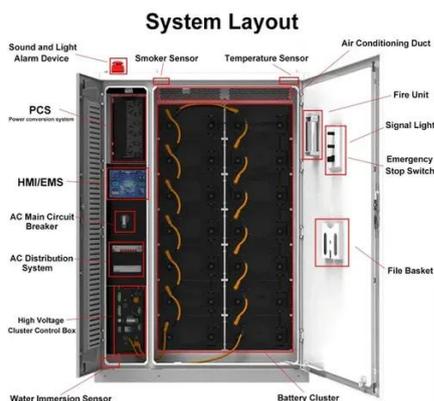


### [The Progress of Solar PV Sector in Jordan in 2024 . EcoMENA](#)

In 2024, Jordan made significant advancements in its solar photovoltaic (PV) sector, reflecting its commitment to expanding renewable energy and achieving greater energy ...

### Energy in Jordan

In October 2016, Jordan signed a power purchase agreement with Masdar, a clean energy developer based in Abu Dhabi, UAE to build the biggest single solar installation in the country, ...



### Solar Power Plants in Jordan (Map)

Data and information about Solar power plants and their location plotted on an interactive map of Jordan.

### [Solar PV potential in Jordan by location](#)

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### How Many Watts of Solar Power Does Jordan Generate Insights ...

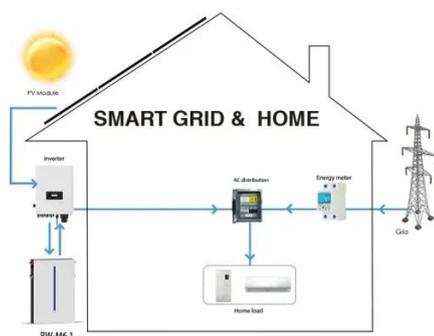
As of 2023, Jordan generates approximately 1.2 gigawatts (GW) of solar power annually. This accounts for nearly 15% of the country's total electricity production.



### ENERGY PROFILE Jordan



Distribution of wind potential Annual generation per unit of installed PV capacity (MWh/kWp) Wind power density at 100m height (W/m2)



### Solar PV potential in Jordan by location

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### **Jordan Electricity Generation Mix 2022 , Low-Carbon Power Data**

Jordan's electricity mix includes 73% Gas, 15% Solar and 8% Wind. Low-carbon generation reached a record high in 2022.



### **Jordan**

Solar or wind energy powers approximately 29 percent of the electricity grid and Jordan aims to reach 50 percent of electricity from renewables by 2030 through a focus on ...



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