



**SolarTech Power Solutions**

# **Jordanian Island Solar Power Generation for Home Use**



## Overview

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Why did Kingdom for energy investments acquire 30% of Jordan Solar One?

Kingdom for Energy Investments Company acquired 30% of Jordan Solar One to help the government meet the increasing demand for electricity in Jordan. Under a Power Purchase Agreement (PPA), Jordan Solar One will provide the National Electric Power Company (NEPCO) with clean electricity for 20 years.

What is Jordan Solar One?

Jordan Solar One is one of the biggest plants with 20 MW capacity of solar Photovoltaics (PV) installed on 200 Acres in Al Mafraq, 50 km to the North East of the capital, Amman. Kingdom for Energy Investments Company acquired 30% of Jordan Solar One to help the government meet the increasing demand for electricity in Jordan.

What percentage of Jordan's electricity is solar?

More than 20 percent of the electricity grid in Jordan is powered by solar or wind energy, with a target of 31% by 2030. Exceeding this percentage will be challenging for Jordan unless storage solutions are implemented.

What is the Jordan national energy strategy 2020-2030?

The Jordan National Energy Strategy 2020-2030 focuses on advancing energy security through improving energy efficiency, energy mix diversification, increasing RE's share of the entire energy mix, reducing carbon emissions, and bringing down energy costs.

Why does Jordan need a solar PV installation & maintenance service?

Since Jordan started the solar PV installation in 2012, the demand for solar PV operation and maintenance (O&M) services increased, driven by aging systems requiring inverter replacements (every 8-10 years) and system optimization.

What opportunities are there in the energy sector in Jordan?

**Energy Technologies:** Jordan is exploring energy storage solutions, which may also present opportunities for the U.S. energy sector. Technologies and services related to efficiency gains, including smart metering and grid management, may also find opportunities.

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