

## ContainerPower Energy Solutions

# Palestine solar communication base station wind power



## Overview

---

Can wind energy be used to generate electricity in Palestine?

When Hasan first looked into the possibility of using wind energy to generate electricity in Palestine in 1991, he came to the conclusion that areas with an elevation of 850 meters or more, including Ramallah and Jerusalem, have excellent energy potential. In some areas of the WB, wind energy may be produced at 0.07 \$/kWh.

What is the electrical energy system in Palestine?

The electrical energy system in Palestine state is different from any other country, because Palestine imports its energy from three different sources; from Israel (85 %), Jordan (2 %) and Egypt (3 %). In addition to 140 MW capacity diesel-fired combined cycle power station.

What is Palestine's energy strategy?

Palestine's approach is to prioritize high-emitting sectors such as, power generation (62 %), transport (15 %), and waste (23 %). The National Adaptation Plan is as: increase the share of renewable energy in electrical energy mix by 20–33 % by 2040, primarily from solar PV. Improve energy efficiency by 20 % across all sectors by 2030.

What is the energy supply in Palestine?

In 2019, the total energy supply was 81,903 TJ of which about 85% is electricity, diesel, gasoline, kerosene, and LPG (PCBS, 2019). In the same year, the RE sources, namely solar energy, wood and charcoal, and olive cake, represented 13.66% of the energy mix in Palestine (PCBS, 2019).

What is energy security in Palestine?

Energy security in Palestine over the upcoming 20 years is investigated using a Monte-Carlo simulation model that applies different RE adoption scenarios. In order to meet the Palestinian population's electrical energy needs in the

near future, RE sources should be growing at an annual rate of about 5–10%.

What is the institutional framework of the energy sector in Palestine?

The institutional framework of the energy sector in Palestine consists of governmental and non-governmental institutions.

## **Palestine solar communication base station wind power**

---

### **Contact Us**

---

For catalog requests, pricing, or partnerships, please visit:  
<https://www.websparafotografos.es>