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# Payment for ultra-large capacity Palestinian photovoltaic containers

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).

Is solar cooling a viable option in Palestine?

Solar cooling has a good potential in Palestine and the region with few pilot projects (Juaidi et al., 2022). Crop and product drying has been traditionally practiced in Palestine; and a few systems were built by agricultural organizations (Abu Alwafa et al., 2021; Marzin et al., 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%.

Does Palestine have solar energy?

The potential of solar energy in Palestine is significantly high with total sunshine of 3000 h per year (UNCT & OPM, 2020) and an average solar horizontal irradiance of 5.4 kWh/m<sup>2</sup>/day (Ismail, 2017; Juaidi, Montoya, Ibrik, & Manzano-Agugliaro, 2016; meetMED, 2020).

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