

# **Saudi Arabian solar-powered container used on oil platforms 20MWh**





## Overview

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Will Saudi Arabia be able to produce 40 gigawatts of solar energy?

The ambitious target of Saudi Arabia's National Renewable Energy Program sees the Kingdom aiming for a solar energy capacity of 40 gigawatts by 2030, promising significant opportunities for the market in the years to come.

Why is Saudi Arabia interested in solar energy?

Saudi Arabia, the epicenter of global oil industry, has been showing keen interest in solar energy in recent years. Saudi Arabia has one of the world's highest solar irradiation in the world, estimated at approximately 2,200 thermal kWh of solar radiation per m<sup>2</sup>.

Is concentrated solar power a viable option for Saudi Arabia?

In addition to solar PV, concentrated solar power (CSP) is an interesting option for Saudi Arabia due to its strong dependence on desalination plants to meet its water requirement. Waste heat of a CSP plant can be used to power seawater desalination projects.

Does Saudi Arabia have solar technology?

Solar technologies deployed in Saudi Arabia to maximize energy efficiency According to Christopher Decker, partner in energy and natural resources at Oliver Wyman, India, Middle East and Africa, Saudi Arabia is at the forefront of innovative solar technologies aimed at maximizing energy efficiency and sustainability in the region.



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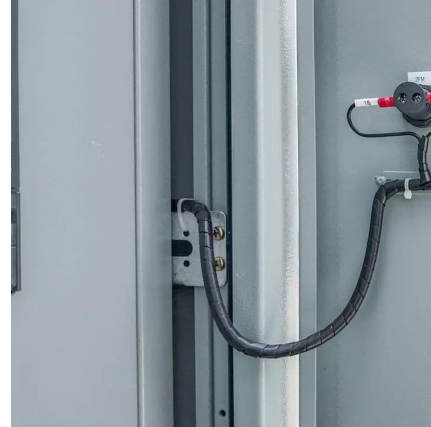


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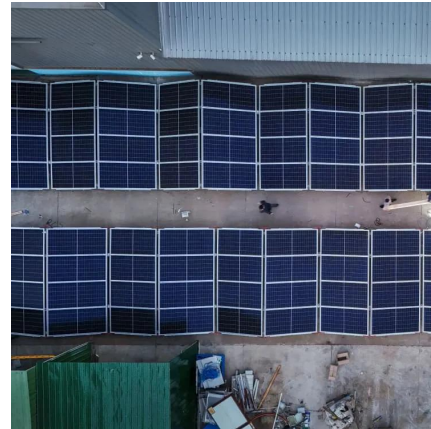
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