

Solar Energy in Egypt

Regional & Global Trends, Latest
Developments, Incentives, and Industrial
Applications

Egypt's Solar Potential

Egypt enjoys exceptional solar resources that position it among the most attractive markets for solar investment globally. The country receives immense direct normal irradiance (DNI), particularly in Upper Egypt and the Western Desert.

With an abundance of sunshine hours and vast tracts of available land, Egypt's solar potential is among the highest globally, ideal for utility-scale projects and distributed rooftop installations.

2,000–3,200 kWh/m²

Annual Solar Irradiance

>3,500 Hours

Annual Sunshine

41,700 km²

Land Allocated For
Green Hydrogen/Solar

15–22%

Commercial Module
Cell Efficiency

Global Solar Energy Trends

The global solar energy market experienced unprecedented growth in 2025, with a record 664 GW of new solar capacity installed worldwide—a 12% increase over 2024.

Cumulative global solar capacity now stands at approximately 3 terawatts DC (TWdc) and is projected to nearly triple to almost 8 TWdc by 2034.

664 GW

NEW INSTALLATIONS (2025)

~3 TWdc

CUMULATIVE CAPACITY

~8 TWdc

PROJECTED CAPACITY (2034)

Global New Solar Capacity Additions (2020-2025)



