

# Nepal s new outdoor power supply market



## Overview

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Targeting to purchase 800 MW of electricity generated by solar power plants in the next two years, the NEA had issued tender bids in April 2024. In response, a total of 134 companies proposed to produce 3,600 MW through 300 projects. Looking for reliable outdoor power solutions in Nepal?

Kathmandu's factories are stepping up to address energy challenges through innovative solar and battery storage systems. This guide explores the city's manufacturing landscape, emerging technologies, and how businesses can benefit from local . Nepal's energy landscape is at a critical juncture, requiring urgent strategic choices. This report offers comprehensive . According to a report released by energy think tank EMBER in October 2025, solar alone contributed 83 percent of the rise, while fossil fuels saw a slight decline, with generation falling in China and India. Nepal has a solar power potential of 432 gigawatts (432,000 megawatts), over ten times . The 16th National Plan aims to achieve 100 percent electrification within a couple of years, accompanied by a substantial increase in installed capacity. Ambitions have been set to increase the energy sector's contribution to minimising the trade deficit, with a target of raising its contribution . Nepal's solar market is split into two distinct segments: the established off-grid sector serving rural communities and the growing grid-tied sector supporting national energy infrastructure.

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### Here comes the sun: Exploring solar potential in Nepal

Nepal has a solar power potential of 432 gigawatts (432,000 megawatts), over ten times higher than that of hydropower, which is 42,000 MW. With over 300 days of sunshine a year, the

### Entering Nepal's Solar Market: Off-Grid vs. Grid-Tied

Discover the opportunity in Nepal's solar market. Our analysis compares the established off-grid and growing grid-tied sectors for new solar manufacturers.



### Outdoor Power Supply Factories in Kathmandu: Meeting Nepal's

Looking for reliable outdoor power solutions in Nepal? Kathmandu's factories are stepping up to address energy challenges through innovative solar and battery storage systems. This guide explores the

### [Securing Nepal's Energy Future: A Blueprint for Reliable Electricity](#)

Nepal's power sector is gaining momentum. Major hydropower projects, including Arun III (900 MW), Upper Arun (1,063 MW), Budhi Gandaki (1,200 MW), and Dudh Koshi (635+200 MW), are



### Nepal Maps & Facts



## AKNOWLEDGMENT

AKNOWLEDGMENT We are pleased to introduce the inaugural edition of Nepal's Energy Statistics (NES), a significant publication that consolidates key data and insights (2024/2025) from across the



## Nepal's energy landscape at a crossroads: Solar and storage:

In 2024, Nepal imported about 13% of its annual electricity, mostly during winter, to meet domestic demand while similar surpluses are exported during the wet season. This seasonal



## Nepal's ambitious energy vision

Nepal is a landlocked sovereign country, strategically located between China and India. Nepal is located in Southern Asia in the Northern and eastern hemispheres of the Earth.



## Nepal Outdoor Power Equipment Market (2024-2030) , Trends,

Market Forecast By Equipment Type (Lawn Mowers, Saws, Trimmers & Edgers, Blowers, Snow Throwers, Tillers & Cultivators, Others), By Applications (Commercial, Residential/DIY), By



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Nepal plans to increase its installed electric power capacity to 11,769 MW by FY 2028-29, with further expansion to 28,500 MW by 2035. This will be further heightened to a per capita power



### **NEA receives applications to produce 3,600 MW of solar power**

Targeting to purchase 800 MW of electricity generated by solar power plants in the next two years, the NEA had issued tender bids in April 2024. In response, a total of 134 companies

### [Nepal's Vast Renewable Energy Potential and Trilateral Power Trade](#)

We have established strong interconnections with India and initiated trilateral power trade with Bangladesh. During the wet season, Nepal exports around 1,100 megawatts of electricity,



### **Nepal , History, Population, Flag, Language, Map, & Facts**

Nepal, country of Asia, lying along the southern slopes of the Himalayan mountain ranges and wedged between two giants, India and China. Its capital is Kathmandu.

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