

## European Solar and Energy Storage Solutions

# Solar power generation scheme for farmers



## Overview

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What is solar power scheme & how does it work?

The scheme aims to add solar capacity of 30,800 MW by 2022 with total central financial support of Rs. 34,422 Crore including service charges to the implementing agencies. Component A: 10,000 MW of solar capacity through installation of small Solar Power Plants of individual plants of capacity upto 2 MW.

How much solar power can a farmer use?

Solar PV capacity up to two times of pump capacity in kW is allowed under the scheme. The farmer will be able to use the generated solar power to meet the irrigation needs and the excess solar power will be sold to DISCOMs. CFA of 30% of the benchmark cost or the tender cost, whichever is lower, of the solar PV component will be provided.

Who is eligible for financial support for solar agricultural pumps?

Any farmer, including from Scheduled Castes and Scheduled Tribes, is eligible for financial support for installing standalone solar agricultural pumps and solarization of grid connected agricultural pumps under Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyaan (PM KUSUM) scheme.

How can farmers benefit from solar energy?

Farmers can benefit from solar energy in several ways—by leasing farmland for solar; installing a solar system on a house, barn, or other building; or through agrivoltaics. Agrivoltaics is defined as agriculture, such as crop production, livestock grazing, and pollinator habitat, located underneath solar panels and/or between rows of solar panels.

What are the benefits of solar power scheme in India?

This scheme provides the following benefits: The Indian Government initiated the construction of solar plants that can generate an aggregate of 28,250 MW

of power. The Government will subsidize 60% and provide a loan of 30% of the total cost. This leads our farmers to bear only 10% of the total cost to install solar plants and solar pumps.

Why is Indian government promoting grid-connected solar power plants & solar pumps?

So, with an endeavour to offer financial and water security to farmers, the Indian government has launched various schemes to promote the installation of grid-connected solar power plants and solar pumps.

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### Pradhan Mantri Kisan Urja Suraksha Evam Utthaan Mahabhiyan

solarised under the scheme by installing solar power plants of sufficient capacity. Government of India will provide 30% subsidy for solarisation of agricultural feeders. This will lower the cost of ...

### Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyaan ...

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### Government scheme for solar power plant: ...

Individual farmers, panchayats, cooperatives, Farmer Producer Organisations (FPO) can install solar power plants of capacity ranging from 500 kW to 2 MW. In specific cases, distribution companies ( Discoms ) may allow ...

### Pradhan Mantri Kisan Urja Suraksha Evam Utthaan Mahabhiyan

The scheme also has direct employment generation potential. As per available studies, around 24.50 job-years are created per MW of small capacity solar installation. Therefore, USPC

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## Grid Connected Solar BLDC Pump Set Scheme For ...

Farmer is providing lease free land for the installation of Grid-connected solar BLDC pump sets Scheme in his field and is maintaining the asset by washing and cleaning solar panels regularly. Hence, the purchase of ...

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