



# Solar Scheme by Govt Punjab: Powering Sustainable Energy Transition

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### Why Punjab Needs the Solar Scheme Now

With power shortages affecting 23% of rural households and rising electricity tariffs, Punjab Govt Solar Initiative offers a lifeline. Did you know? Punjab's annual solar irradiance averages 5.3 kWh/m<sup>2</sup>/day - higher than Germany's 3.0 kWh/m<sup>2</sup>/day. Yet, only 12% of rooftops utilize solar panels. This gap exposes households to unpredictable energy costs and limits industrial growth.

The government's Solar Energy Program Punjab addresses this by subsidizing 30% of installation costs for residential users and 40% for agricultural pumps. Imagine slashing your energy bills by 70% while earning credits for surplus power. How? Through net metering policies aligned with India's national renewable targets.

### The Mechanics of Punjab's Solar Subsidy

Launched in 2022, the scheme prioritizes three sectors:

Residential: 1-3 kW systems for homes

Agricultural: Solar-powered tube wells replacing diesel pumps

Commercial: Tax rebates for businesses adopting 100+ kW systems

For context, a 3 kW system in Ludhiana can generate 15-18 units daily - enough to power 2 ACs and household appliances. Farmers using 5 HP solar pumps report 90% cost savings compared to diesel alternatives.

### How Huijue's Solar Solutions Align with Punjab's Vision

Our bifacial solar modules achieve 22.6% efficiency - 15% higher than standard panels. Why does this matter? Punjab's dusty climate reduces output by 8-12%, but Huijue's anti-soiling coating minimizes losses to just 3%. For the Govt Punjab Solar Scheme, we offer:

6-year payback period (vs. 8 years industry average)

25-year performance warranty

Gurgaon-based servicing hubs for quick maintenance

### Real-World Impact: A Case Study from Patiala

Mandeep Singh's 10-acre farm installed a 7.5 kW hybrid system under the Punjab Solar Policy:

#### Metric Before After

Monthly Energy Cost INR 18,700 INR 2,300

Crop Yield 32 quintals 41 quintals

CO2 Reduction 12.8 tons/yr 0.9 tons/yr

The secret? Our battery systems store daytime surplus for night irrigation, doubling utilization rates.

## Navigating the Application Process

Wondering how to claim the Solar Subsidy Punjab? Punjab Energy Development Agency (PEDA) streamlined approvals to 18 working days. Required documents include:

- Property ownership proof
- Latest electricity bill
- Technical feasibility report

Huijue's turnkey service handles everything from site surveys to grid synchronization. Pro tip: Install before March to avail this fiscal year's 5% extra subsidy for early adopters!

## Q&A: Solar Scheme Punjab Explained

Q1: Can I use existing inverters with new solar panels?

A: Only grid-tied inverters certified by PEDA qualify for subsidies. Huijue's UL-listed hybrid inverters meet all requirements.

Q2: What's the maintenance cost?

A: Annual cleaning and inspection average INR2,500 - covered by our Platinum Maintenance Pack for 3 years.

Q3: How long do approvals take?

A: Most residential projects get clearance in 12-20 days via Punjab's Solar Portal.

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