

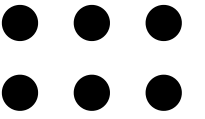
Solar Group Captive PPA

Presented By : Enernew



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Introduction

A **Solar Group Captive PPA** is a contractual arrangement in which a group of consumers—typically commercial and industrial entities—jointly invest in or hold a minimum equity stake (usually 26%) in a solar power project, thereby qualifying it as a "group captive" under Indian electricity regulations. This model allows these entities to procure renewable energy directly from the solar plant at competitive rates, typically lower than grid tariffs, while also enabling significant savings on energy costs and reducing their carbon footprint.

What Is Solar Group Captive PPA

The group captive framework is designed to promote private sector participation in renewable energy, offering benefits such as exemption from cross-subsidy surcharges and additional surcharges that are usually levied on open access power. It provides long-term price visibility, enhances energy security, and supports sustainability goals, all while remaining compliant with regulatory norms laid out by the Electricity Act, 2003 and further clarified by various state and central electricity regulatory commissions. The success of a group captive PPA hinges on careful planning, appropriate site selection, regulatory clearances, and the financial and operational commitment of all stakeholders involved.



Our Vision & Mission



Our Vision

- Embodying integrity in every business interaction
- Upholding the highest ethical and professional standards

Our Mission

- Embracing innovation and a pragmatic approach
- Cultivating continuous development and growth of our people



How Solar Energy Work?



Sunlight Capture

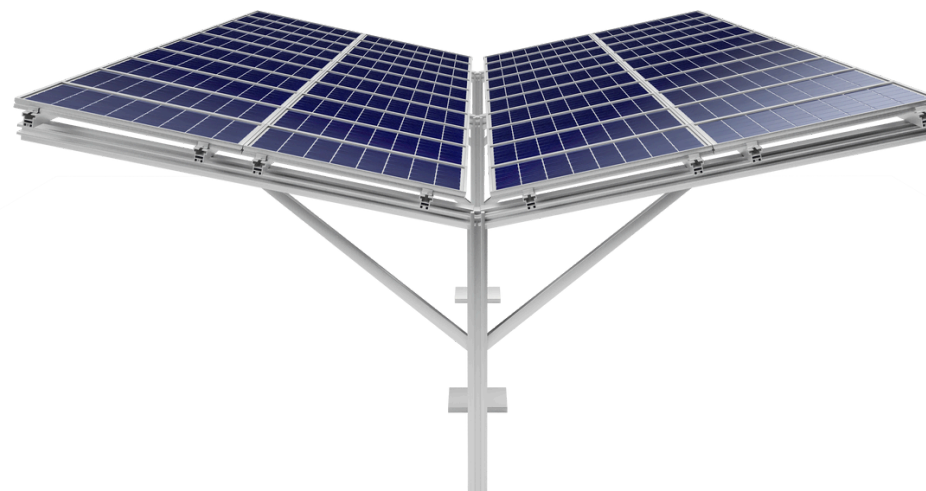
Solar panels with PV cells absorb sunlight and convert it into direct current (DC) electricity.

Conversion

An inverter changes DC electricity into alternating current (AC) for home and business use.

Usage

The generated power is used immediately, stored in batteries, or fed into the electricity grid.



The Future Of Solar Energy

The future of Solar Group Captive Power Purchase Agreements (PPAs) in India looks highly promising, driven by a confluence of regulatory incentives, rising corporate sustainability goals, and increasing grid tariffs that make renewable alternatives more economically attractive. As more commercial and industrial consumers seek to decarbonize their operations and achieve net-zero targets, the group captive model stands out by offering a financially viable and regulatory-compliant pathway to procure clean energy without relying on third-party developers alone. With increasing awareness and clarity around the Electricity Act and open access regulations, more businesses are expected to adopt this model to gain exemption from cross-subsidy surcharges and secure long-term price stability. Additionally, advancements in solar technology, declining installation costs, and supportive government policies such as streamlined approvals and digital energy management tools will further ease implementation and boost scalability. The flexibility to structure equity participation among multiple entities also makes group captive PPAs an attractive collaborative approach in shared industrial parks or special economic zones. Looking ahead, the sector could see innovations in financing models, hybrid energy setups (solar + storage or solar + wind), and digital platforms to simplify compliance and billing, making group captive PPAs a key pillar in India's transition to a decentralized, cleaner energy future.



Thank You For Your Attention

We are dedicated to unleashing the power of renewable energy through transformative clean energy solutions, forging the path to the future of decarbonisation projects.
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More Information



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