



Vikat Solar Limited



2024

# Vikat Solar Limited

Focus on innovation and sustainability in the solar energy field

Focus on innovation and sustainable development in solar energy

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Focus on innovation and sustainable development in solar energy

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# 01

## Part 01

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## Project Background



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# Market background



## Global photovoltaic market

2024

The global photovoltaic market has experienced significant growth and change. According to the latest statistics, the global total installed capacity of photovoltaic power generation has exceeded 5,000 GW, and the cumulative installed capacity has reached 1,000 GW. This marks the increasingly important role of photovoltaic power generation in the global energy structure, and has become an important way to deal with climate change and achieve sustainable development.

### The cost of photovoltaic power generation has fallen sharply

The cost of photovoltaic power generation has fallen dramatically, making it more competitive globally. In many countries and regions, photovoltaic electricity prices are already lower than those of conventional electricity, attracting more and more investment and demand. In particular, China, the European Union, the United States and India and other countries and regions, their photovoltaic market occupies the vast majority of the global market share.

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# Market background



## The Photovoltaic energy market in India

According to the latest statistics, India's total installed photovoltaic power capacity has exceeded 100GW, with the cumulative installed capacity reaching 50GW. This marks an increasingly important role of photovoltaic power generation in India's energy structure, and becomes an important way to cope with climate change and achieve sustainable development. India's photovoltaic energy market has entered a new stage of development, with its rapid growth, policy support and widespread application all indicating broad prospects for future renewable energy development.

### The National Solar Energy Program

The plan aims to achieve a target of 100GW by 2022. In addition, the Indian government has encouraged domestic and foreign investors to participate in the development and construction of photovoltaic projects through subsidies and tax incentives.

### The Solar Roof program

Households and commercial buildings are encouraged to install photovoltaic systems, thereby improving energy self-sufficiency. In addition, India has launched a photovoltaic-agricultural integration project, installing photovoltaic panels above farmland, enabling multiple use of land.

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# Industry analysis



## Photovoltaic new energy advantages

### Environmental protection and sustainability

New energy sources, such as solar energy and wind energy, are clean and renewable energy sources, and their use does not produce greenhouse gas emissions, helping to reduce air pollution and global climate change.

### Environmental protection and sustainability

Relying on traditional fossil fuel energy sources poses instability and risks in energy supply. The development of new energy sources can reduce the dependence on these energy sources and improve energy security.

### economic development

New energy sources, such as solar energy and wind energy, are clean and renewable energy sources, and their use does not produce greenhouse gas emissions, helping to reduce air pollution and global climate change.

### Energy cost

Although the initial investment in new energy may be high, in the long term, the overall cost of new energy may be lower than that of traditional fossil fuels due to the stability and low cost of energy sources.

### Energy popularization

The spread of new energy sources could provide power to remote areas that are not yet connected to the grid and improve their quality of life.

# Industry analysis



## Photovoltaic power generation trend

### Efficiency upturn and cost reduction

The continuous emergence of new technologies has also driven the efficiency improvement and cost reduction of photovoltaic power generation. For example, new generation photovoltaic technologies such as heterojunction (HIT) cells and perovskite cells have been commercially applied, further improving the conversion efficiency and stability of photovoltaic power generation.

In addition, the application of digital and intelligent technology also makes the management and operation and maintenance of photovoltaic systems more efficient and intelligent, thus reducing the overall cost of the system.

### Application mode innovation

As the global demand for renewable energy increases, the applications of photovoltaic power generation are also expanding. In addition to the traditional roof and ground power stations, photovoltaic has also been applied in agriculture, transportation, building integration and other fields, forming various forms of innovative application modes.

For example, photovoltaic highways, photovoltaic railway, photovoltaic carports, etc., not only improve the efficiency of land use, but also provide new ideas for the efficient use of energy.

TREND



# 02

Part 02

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About Us



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## Vikat Solar Limited

Focus on innovation and sustainability in the solar energy field



Vikat Solar Is a leading provider of comprehensive EPC (Engineering, Procurement and Construction) solutions focused on innovation and sustainability in the solar energy sector. Vikat Solar As one of the best solar companies in India, Vikat Solar is committed to illuminating the future for generations, making the future better and making life better.

Vikat Solar Is a comprehensive provider of EPC solutions, using world-class technology to design, install, and debug benchmark solar projects. The latest business integration solutions are focused on mobility and lifestyle, providing "smart" customers with emerging technologies, including solar roofs and value-added services, and are expected to grow several-fold.

Registered address of the company: 199 Bishopsgate, London EC2M 3TY

# Company profile



## New energy pioneer: the world's leading level

Vikat Solar Limited Using world-class technology to design, install and debug benchmark solar projects to provide emerging technologies to "smart" customers, including solar roofs and value-added services. Our latest business integration solutions focus on mobility and lifestyle to meet the needs of the modern society for sustainable energy.

Vikat Solar Limited Is a pioneer in leading the energy industry in terms of technology, processes, and platforms. Vikat Solar And its subsidiaries and joint venture entities can generate 14,464 megawatts, 89% of which comes from photovoltaic energy. Vikat Solar The latest business integration solutions focus on mobility and lifestyle, providing emerging technologies for "smart" customers and are expected to grow several-fold.

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# Company qualification



## VSL ISO 9001 2015 Operation and maintenance certification

**Certificate**

Standard **ISO 9001:2015**

Certificate Registr. No. **01 100 1434528**

Certificate Holder: **Vikram Solar Limited**  
EPC Division  
The Chambers, 3rd, 7th & 8th Floor,  
1865, Rajdanga Main Road,  
Kolkata – 700 107, West Bengal, India.

Scope: **Design, Engineering, Procurement, Supply,  
Construction, Erection, Testing, Commissioning,  
Operation & Maintenance of Photo Voltaic Solar  
Power Plants.**

Proof has been furnished by means of an audit that the requirements of ISO 9001:2015 are met.

Validity: The certificate is valid from 2018-03-22 until 2021-02-12.  
First certification 2015

2018-03-22

*Handwritten signature*

TÜV Rheinland Cert GmbH  
Am Grauen Stein · 51105 Köln

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## To light up the future for several generations, Make the future better, make life better.

Since its inception, Vikat Solar has more than a century of technology leadership, superior project execution, world-class security processes, customer service and expertise in promoting green initiatives, and Vikat Solar is committed to illuminating the future for generations, making the future better and making life better.

- One of the best solar companies in India.
- It has been the second largest solar rooftop EPC company in India for three years in a row (a bridge to India).
- India's largest 2.67 MW solar garage has been installed at Cochin International Airport (Social).

We hope to shape the future through the evolving green community-building initiatives.

Sustainability is at our core, and Tata Power is a leader in zero-emission energy, providing low-cost electricity and helping to reduce carbon emissions.

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# Social responsibility

Our CSR program focuses on achieving the well-being of the communities we operate through education and healthcare initiatives. We have a Corporate Social Responsibility Committee that guides us in integrating our social and environmental goals with our business strategy. Through our CSR initiatives, we aim to promote education among disadvantaged groups and take steps to aid health and culture.

\$1 million as of March 31,2024.



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# Corporate vision

## The Indian Renewable Energy Expo



INDIA



### The seventh Green Energy Summit



ENERGY

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# The company's strategic layout

## Long light time & photovoltaic policy support



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# Company endorsement



**EPC installed capacity in India**  
**One of the five largest EPC companies**

Installed capacity of EPC in India.  
One of the top five EPC companies

## Vikram Solar

Vikram Solar More than 10 years of experience in implementing solar power plant EPC projects. Vikram Solar More than 300 projects have been successfully completed or are being executed, with a total installed capacity of 1.42 GW. These projects not only demonstrate Vikram Solar's expertise and technical capabilities, but also demonstrate Vikram Solar's commitment to sustainability.

Vikram Solar Projects are located in India, Vikram Solar has more than 1,055 MW \* of EPC capacity, and uses world-class technologies to design, install and debug solar projects worldwide. Vikram Solar's cross-industry EPC experience in building solar power plants in difficult terrain, high altitude and coastal areas demonstrates Vikram Solar's strength in this area.

Source: CRISIL Report

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# Group advantage

## Vikram Solar Advantages

### ★ Experience

India has a reliable record of installed solar capacity exceeding 1.42 gigawatts.

### ★ Bring forth new ideas

India's first floating solar power plant in Smritiban, Kolkata.

### ★ Experience

Pan-Indian presence in 23 states and 3 allied regions and shipped modules to 32 countries worldwide.

### ★ Bring forth new ideas

Focus on research and development in order to develop reliable and the latest solar energy solutions for our customers.





# Scope of service

## Design and Engineering

Vikat Solar Limited In-house teams to provide customers with engineering solutions designed to provide high-quality solar power plants designed to optimize the life cycle cost of electricity.

Vikat Solar Limited Using solar engineering design tools and software, such as solar PV CASE, ETAP (Power System Analysis Software), Civil 3D, enabling us to provide optimized and accurate project array design.

Concept



Engineering



Carry out



Shakedown test

Vikat Solar Limited Undertake various processes from site assessment, system design and approval, installation, networking to final commissioning to seamlessly deliver power from the project to the interconnection point of power evacuation.

By using Vikat Solar Limited's project management platform, Vikat Solar Limited is able to efficiently create plans and monitor their execution. The mobile applications that form part of the Vikat Solar Limited project management platform allow resources on the Vikat Solar Limited remote site to upload their project progress and provide real-time project progress to the Vikat Solar Limited.

# Team overview

Our team consists of a group of engineers, technicians and project management experts. They learn more about the challenges and opportunities in the solar industry and are committed to providing the best solutions for their customers. We believe that through our efforts, we can create greater value for our customers while contributing to our environment and the planet.



Vikat Solar Limited



Vikat Solar Is a trusted partner, whether you want to invest in solar projects, or want to transform your family into a sustainable lifestyle, we can provide you with a full range of solutions. Let's create a cleaner and greener world together!



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# 03

## Part 03

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## Project Service



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# Project status

## President of South Africa Cyril Ramaphosa

South African President Cyril Ramaphosa declared a state of disaster on February 9, 2023, local time, to deal with the power crisis and its impact.

Vikat Solar Limited For India is the first recruitment screening thousands of participants, after a period of training and practice, Vikat Solar Limited from this group of participants developed a group of good investors, in the future they will fully in the company in India, play the privilege of their first batch of investors, to form their own team, develop their own market. Now the group is ready to start the investment and construction of many solar photovoltaic power generation projects, which needs to recruit a large number of project investment participants for common development.

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# Project status

Business in 32 countries and regions of the ground installation and roof project, module sold to the world, complete operational services has commissioned more than 300 projects, energy target in 2030 India achieve 500 gw installed capacity of renewable energy targets, in the first quarter and second quarter of 2023 vikatsola senior leadership has reached a cooperation agreement with more than 25 countries, and get the support of many countries and policy subsidies.



**32**

Ground installation and roofing projects in 32 countries

**25**

It has reached cooperation agreements with more than 25 countries, and has received support and policy subsidies from many countries.

**300+**

The complete operation & maintenance service has commissioned the project



# COMPANY PROFILE

**Solar one-stop  
Solution provider**

**Pre-project consultation and evaluation**

**System design and planning**

**Equipment and material procurement**

**Construction and installation**

**Later operation and maintenance and  
service**

# Photovoltaic investment income



## Return on photovoltaic investment

### Photovoltaic Investment

**Vikat Solar Limited** As a one-stop solar energy solution provider, we not only provides the whole process services from the pre-project consultation to the later operation and maintenance, but also provides customers with one-stop services such as photovoltaic project investment, financing, income analysis and risk management, to help customers achieve the maximum revenue of solar projects.

#### Photovoltaic project investment consulting

Provide customers with investment consulting services for photovoltaic projects, analyze the investment environment, forecast income, risk assessment, etc.

#### Photovoltaic financing services

Assist customers in the financing of photovoltaic projects, including bank loans, government subsidies, third-party investment, etc.

#### Photovoltaic project revenue analysis

Based on the actual operation data of the photovoltaic project, provide the revenue analysis report for customers to help customers understand the profitability of the project.

#### Photovoltaic project risk management

Provide customers with risk management suggestions, including market risks, technical risks, operational risks, etc., to ensure the sound operation of the project.

#### Asset management and exit

For the long-term operation of photovoltaic projects, provide asset management services, and assist customers to achieve the exit of the project at the appropriate time, to obtain a return on investment.



# Photovoltaic investment advantages



## #

### Greater savings

As traditional energy becomes more expensive, electricity bill rises. However, solar energy is not affected by such price fluctuations. The longer the payback period, the more money is saved.

## #

### Better performance

Vikram Solar ensures that our modules generate energy you can always rely on. We even offer a 27-year linear performance warranty, 2 years more than the industry standard.

## #

### Greater scope

A wide range of products, including high efficiency single-channel PERC and monocrystalline silicon and polycrystalline silicon cell modules, ranging from 10-385, are able to meet different energy needs, different Spaces and different budgets.

## #

### Better technology

The partnership with leading tech giants in Switzerland, Germany and Japan ensures that every module we build and every project we undertake far exceeds expectations.

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# Photovoltaic investment



**Green & environmental  
protection**



vikatsolar The platform not only provides users with a long-term and stable investment income in the new energy industry, but also makes contributions to the new energy industry and the global climate issues.

Let us work together to follow the global development trend, develop new energy, care for the environment, make contributions in the field of new energy, but also bring ourselves an efficient benefit.

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# Photovoltaic investment model



## Register

Register for a PV account through the Vikat Solar

## Sign an agreement

After participating in the purchase of the corresponding number of light plates, we will sign a cooperation agreement with Vikat Solar

## Throw in

Vikat Solar  
Responsible for the installation and repair of the light panels in the designated countries and the daily maintenance.

## Income

Participants need to receive the profits of the project daily online

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# 04

Part 04

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Development  
planning



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# Promotion mode



## Brand marketing

- Brand cooperation: establish cooperative relations with other well-known brands and institutions in the industry, and jointly promote the development and application of photovoltaic industry.
- Word of mouth marketing: encourage satisfied customers to share cooperation experience in social media, industry forums, etc., to form a good word of mouth communication.

## Online publicity

1. Official websites and social media
2. Online advertising
3. Content marketing
4. Search Engine Optimization (SEO)

## Offline publicity

1. Trade exhibition
2. Technical seminars and training
3. Customer case presentation
4. Media cooperation



# Development planning



## 2024

1. Continue to consolidate and enhance the market position, strengthen the brand publicity, and improve the brand awareness and influence.
2. Maintain the leading position in technology, increase investment in research and development, and launch more competitive new photovoltaic products and solutions.
3. Improve the service level, establish a perfect customer service system, to meet the diversified needs of customers.

## 2025

1. Actively explore domestic and foreign markets, expand market share, and find new growth points.
2. On the basis of maintaining the core competitiveness of photovoltaic business, explore the diversified development of related fields, such as energy storage, hydrogen energy, etc.
3. Establish close cooperative relations with more well-known enterprises, financial institutions and scientific research institutions at home and abroad, to jointly explore the market and promote the development of the industry.

## 2026

1. Continue to lead the industry in technological innovation, pay attention to the cutting-edge technology trends, and maintain the technology leading position.
2. Promote the international development of the company, expand the overseas markets, and improve the international competitiveness.
3. Strengthen the integration of the upstream and downstream of the industrial chain, form a complete closed loop of the industrial chain, and improve the overall profitability.
4. Adhere to the concept of sustainable development, promote the green and low-carbon development of the photovoltaic industry, and make contributions to the sustainable development of the society.





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2024

# THANKS YOU!

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