

Best Solar Panel Company In Surat

Navitas Solar is at the forefront of the renewable energy revolution in India, specializing in the manufacturing of high-quality solar panels and related products.



Surat, Gujarat Jul 15, 2024 ([Issuewire.com](https://www.issuewire.com)) - Navitas Solar Top Solar Panel Manufacturer In Surat

India is becoming a hub for solar panel manufacturers. If you are looking to invest in solar power, whether commercial or home, it becomes a daunting task to know which ones are reliable and suit your needs. So, it is understandable that you would want to decide after comparing every pro and con. Therefore, we are here to talk about what we bring to the table for you. After reading this article, you will know about our offerings to help you decide.

Types of solar panels available at Navitas Solar

First, let's discuss the type of solar panels we manufacture. Navitas Solar offers these basic types of solar panels in various sizes to fit your needs.

Monocrystalline solar panel

Monocrystalline is the standard type of solar panel. This solar cell has a single silicon crystal available in black colour. It is known for its high conversion rate. On average, they have more than 20% efficiency, which means you can produce more power with a few panels. It is expensive as it is composed of a single silicon crystal. The monocrystalline solar panel is the right foot if you have a small space and need more electricity.

Navitas has a [Bonito series](#) with varying half-cut monocrystalline solar panels. The panels have different numbers of cells, helping you choose the one that can provide you with the desired electricity units.

Multi-crystalline solar panel

It is yet another standard solar panel. It is manufactured by using fragments of silicon to create solar cells. It reduces the cost of solar panel production with little effect on efficiency. The multi-crystalline solar panel has an efficiency of 15-18%. You can consult the solar panel manufacturer or service provider to understand how many multicrystalline solar panels you'll need to meet your needs.

Navitas Solar's [Anora series](#) has multi-crystalline solar panels with varying solar cells. It is designed to meet your electricity needs and save some bucks.

Bifacial solar panel

Sun exposure is one of the most crucial factors for the efficient use of solar panels. Thus, to maximise sunlight exposure, we present the bifacial solar panel. The bifacial solar panel has solar panels on both sides and is often mounted on reflective surfaces, leading the solar cells on the bottom to absorb the light reflected from the surface, boosting electricity production.

[Navitas bifacial series](#) has diverse solar panels with varying numbers of solar cells. You can choose the one that will help you meet your electricity needs and fit the available space.

N-type solar panel

Traditionally, solar panels are of the P-type, which has positive energy. However, with advancing technology, N-type solar panels, which have negative energy, have been raised as a durable and efficient alternative.

Navitas Solar's [N-Type TOPCon series](#) has half-cut N-type solar panels. It has many variants based on the number of solar cells per panel to help you choose your needs.

Why trust Navitas Solar for Solar Panel Manufacturing In India?

You now know the types of solar panels available at Navitas Solar. But why should you trust us?

State-of-the-art manufacturing equipment

Navitas Solar always strives for excellence in everything we do. Thus, we trust state-of-the-art equipment and a fabrication house. The solar industry recognizes the equipment for its efficient and smooth production.

Our teams are specially trained to operate the manufacturing equipment to ensure the production of the best quality solar panels.

Industry-recognized solar panel manufacturers

Navitas Solar has been in the industry for about a decade. Through the years, we have refined our manufacturing process and the quality of our products to create sustainable energy. Our work has been recognized in the industry on a national level. A few of [our awards and recognitions](#) are as follows:

- [Best sustainable brand of the year at MSME Startup Innovation Summit & Awards \(Time2Leap National Award\) 2023 by Summentor Pro.](#)
- [Medium Enterprise of the Year at MSME India Business Convention, Tech India Transformation Awards 2023, organized by Industry live](#)
- Excellence in Renewable Energy by Times Business Awards Surat 2023, presented by IVY Growth Associates
- Green Project of the Year award at the MSME India Business Awards & Tech India Transformation Awards organized by Industrylive.

Automated material movement for the production

Our production plan has an automated material movement system to boost the production rate and avoid errors. It increases the precision of the production process, giving perfect solar panels.

Procurement of raw materials from renowned sources

Solar panel efficiency depends on the solar cells and the encapsulation structure. Thus, the quality of the raw material for the solar cells and panel support structure is very important. We get our raw materials from trusted suppliers across the globe to produce the best-quality solar panels. Quality is not compromised from the silicon crystals to the solar stand.

Robust quality control in solar panel manufacturing

Quality control in solar panel manufacturing is one of the most important aspects. First, the solar cell undergoes a quality check to remove defective pieces. Once the solar cell is encapsulated, it goes through another quality check to identify any defective piece in terms of physical or electric defect. Thus, we ensure you only get the best solar panel for the best ROI and efficient solar energy supply.

Complete solar panel solution in one place

Navitas Solar provides a complete solar solution, from consultation to installation and beyond. We help you identify the most suitable solar panel at the best prices. Our offer includes the best warranties to safeguard your investment. We take care of all the documentation and permits for you to ensure hassle-free installation. We accept various financial aid and help you identify the best financial aid available in your area. After installation, we offer regular maintenance service to ensure a long lifespan of your solar system.

Conclusion

Navitas Solar is an industry-recognized company that manufactures solar panels in India. We believe in excellence and want to help people easily adopt sustainable energy. Thus, with state-of-the-art equipment and the best raw materials from around the globe, we manufacture solar panels in Surat. Our automated material movement system allows us to create solar panels with zero errors. We have monocrystalline, multi-crystalline, bifacial, and N-type solar panels with varying numbers of cells per panel. It allows you to select the solar panel that fits your needs and budget. We support financial aid to help you reduce costs and get the best ROI. Backed with lucrative warranties and maintenance support, you can enjoy the solar panel for at least 25 years.

So, let's install your solar panel hassle-free at the best possible price now! Let's discuss more.

FAQs What is Navitas Solar's production process for solar panels?

Navitas Solar has state-of-the-art production equipment that is aligned to streamline the production process. It starts with cutting a silicon ingot or block to create a silicon wafer for the cell. The silicon wafer is processed through various chemicals and doping to create an electric field, making solar cells. It is then encapsulated, and solar panels are created after connecting multiple solar cells.

Once the solar panel is ready, it passes through various quality control protocols to ensure the best solar panel efficiency.

Why choose Surat solar panel manufacturers?

Surat is a growing business hub in varying industries. The proximity of ports, airports, and national highways makes the city the most preferred place to start a solar panel manufacturing plant. Government aid for boosting local businesses, low logistics costs, and affordable infrastructure help reduce the price significantly. Thus, it becomes a perfect place to start the solar panel business and get solar panels at affordable rates.

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