

MAKING RENEWABLE ENERGY ACCESSIBLE, RELIABLE AND IMPACTFUL

CATALOGUE

Solar Solutions | 2024

 xpogen impex

Powering the Future, Sustainably

“Harnessing the sun’s potential for a sustainable future, Xpogen Impex transforms energy solutions for a better tomorrow.”





About Us

Xpogen Impex was founded to address the need for reliable, clean energy. Harshal Jadhav, our founder, grew up in an area where power outages were common, which inspired him to dedicate his career to making energy accessible for all. Today, Xpogen Impex is on a mission to provide innovative solar solutions that not only solve energy challenges but also drive a more sustainable future.

Harshal Jadhav founded Xpogen Impex to tackle the need for reliable, clean energy, inspired by growing up in an area plagued by frequent power outages. This childhood experience sparked his lifelong passion for accessible energy solutions. With a Management degree from Mumbai University and a Master's in Marketing from London, Harshal's career took him across Ukraine and the UK, but his vision to create meaningful change led him back to India. Today, Xpogen Impex reflects his dedication to solving energy challenges and driving a sustainable future.

What started as a personal dream has evolved into a global mission to provide renewable energy solutions that enhance lives and promote a sustainable future. From humble beginnings, our company has grown to become a leader in innovative energy solutions, committed to making a positive impact on communities worldwide.

Mission

To transform the global energy landscape by providing innovative renewable energy solutions that empower communities, drive sustainability, and create lasting value.

Vision

To lead the world in renewable energy by making clean power accessible and affordable for everyone, contributing to a sustainable future for all.



Generate, use, store, and charge with **our integrated clean energy ecosystem.**



From Order to Design

Once your order is placed, we work closely with you to design a solar solution that fits your specific energy needs. Our team evaluates your requirements, site conditions, and energy goals to deliver a product that ensures optimal performance and efficiency.



From Delivery to Integration

We coordinate the delivery of your customized solar panels, providing detailed installation guidelines and recommendations for certified installers. Our support team is available to assist with technical queries during the integration process to ensure a smooth setup.



From Day One to Onward

We are dedicated to delivering top-tier solar products that meet your energy needs. While we specialize in product sales, ensuring quality and reliability, we are also preparing to launch support services in the near future to further enhance your solar experience and long-term energy savings.

How do Solar Panels **actually** work?

Solar energy systems harness sunlight and convert it into usable electricity through a process known as the photovoltaic effect. Solar panels, made up of photovoltaic (PV) cells, are designed to absorb sunlight. When sunlight hits these cells, it excites electrons, creating an electric current. This current is direct current (DC) electricity, which is then converted into alternating current (AC) by an inverter, making it suitable for powering homes, businesses, and other applications.

The electricity generated can be used immediately, stored in solar batteries for later use, or even fed back into the power grid. Solar energy systems work efficiently during daylight hours, and with advanced battery storage, you can continue to power your devices even after the sun sets.



Renewable and Sustainable Source

Solar energy is an abundant, renewable resource that can be harnessed daily. Unlike finite fossil fuels, solar power reduces reliance on coal, oil, and gas, promoting a sustainable future. By switching to solar, we ensure energy needs are met without depleting the planet's resources for future generations.

Clean Energy for a Healthier Planet

Solar energy produces no greenhouse gases or harmful pollutants. By switching to solar, we reduce carbon emissions, combat global warming, and lower air pollution. Solar systems also use less water than traditional power plants, making them a cleaner, more sustainable option.



Long-Term Savings with Solar Power

Solar energy significantly reduces electricity bills by generating free power for decades. With government incentives, tax credits, and rebates, the initial cost is lowered, increasing the return on investment. Over time, solar systems pay for themselves, making them a highly cost-efficient energy solution.

Achieve Greater Energy Independence

Generating electricity with solar panels reduces reliance on the power grid and external suppliers, increasing energy security. This helps protect against price fluctuations and energy shortages, allowing individuals, businesses, and nations to control their energy needs more independently.



Solar Solutions We Offer

1. The Platinum Series

Mono-Crystalline Solar Panels and Bi-Facial Solar Panels

08

2. The Diamond Series

PERC Mono-Facial Solar Panels and Bi-Facial Solar Panels

09

3. The Ruby Series

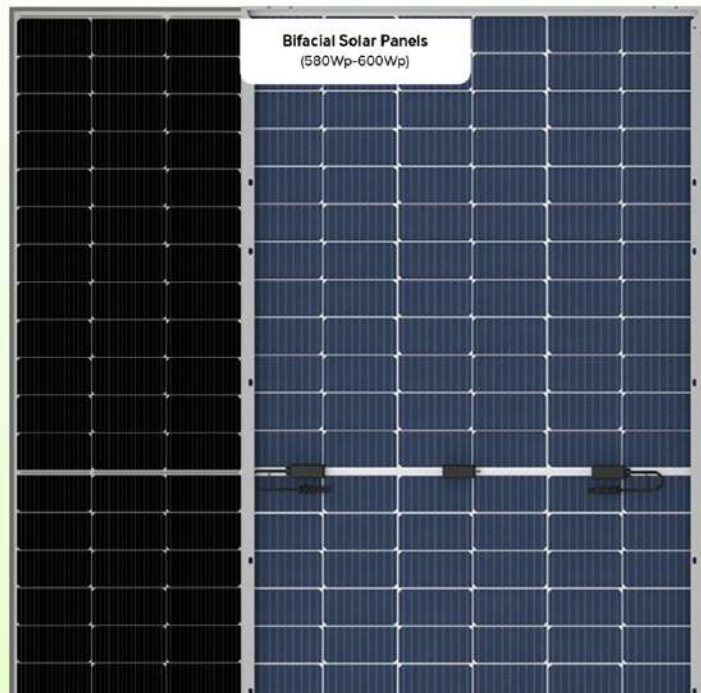
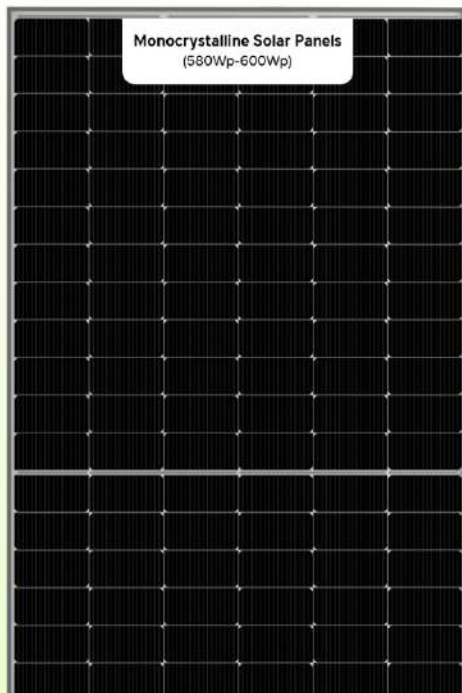
PERC Mono-Facial Solar Panels

10

4. The Sapphire Series

Polycrystalline Solar Panels

11



01.

The Platinum Series

The Platinum Series offers superior solar efficiency ranging from 22.45% to 23.22%, with a 27-year product lifetime and only 0.5% annual power degradation. Designed for optimal performance, these panels feature dual-facial generation, lower internal.

PRODUCTS:

1. Mono-Crystalline Solar Panels
2. Bi-Facial Solar Panels

NOMINAL WATTAGE:

580Wp - 600Wp

WARRANTY:

27-year product lifetime with 0.5% annual degradation for added power yield.



Extended product lifetime with 0.5% annual power degradation.



Boosted Power with Minimal Loss



Lower LCOE and Competitive ROI



PID Resistant Performance



Dual-Facial Generation maximize energy generation.



Reliable quality for a better sustainability even in harsh conditions



Flexible and Easy Delivery with improved soiling resistant.



Increase tolerance with higher number of BUSBAR



Backed by a 27-year performance warranty.



Cylindrical tabbing wire reduces shadow impact on the cell's active area.

02.

The Diamond Series

The Diamond Series offers 20.72% to 21.68% efficiency and a 27-year lifetime with minimal power degradation. Designed for durability and high performance, these panels ensure reliable energy output, even in harsh conditions.

PRODUCTS:

1. PERC Mono-Facial Solar Panels
2. PERC Bi-Facial Solar Panels

NOMINAL WATTAGE:

525Wp - 560Wp

WARRANTY:

27-year product lifetime with 0.5% annual degradation for added power yield.



Extended product lifetime with 0.5% annual power degradation.



Boosted Power with Minimal Loss



Lower LCOE and Competitive ROI



PID Resistant Performance



Dual-Facial Generation maximize energy generation.



Reliable quality for a better sustainability even in harsh conditions



Flexible and Easy Delivery with improved soiling resistant.



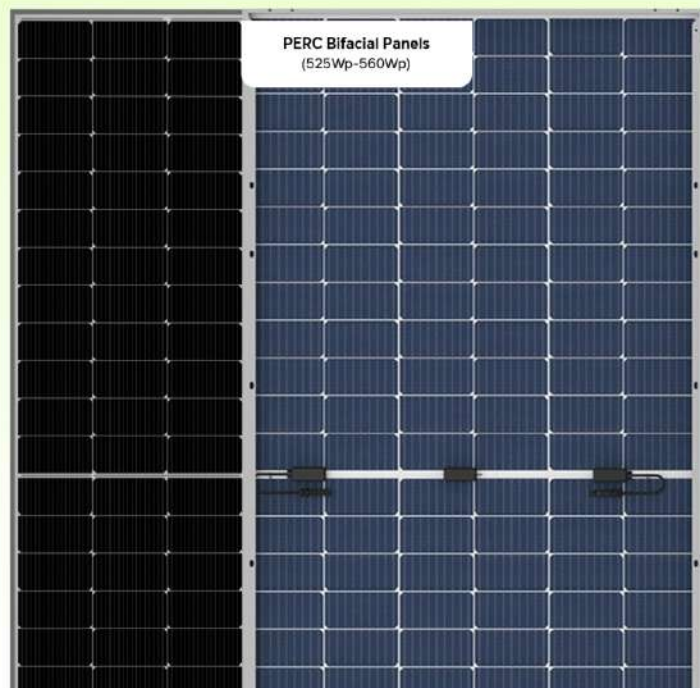
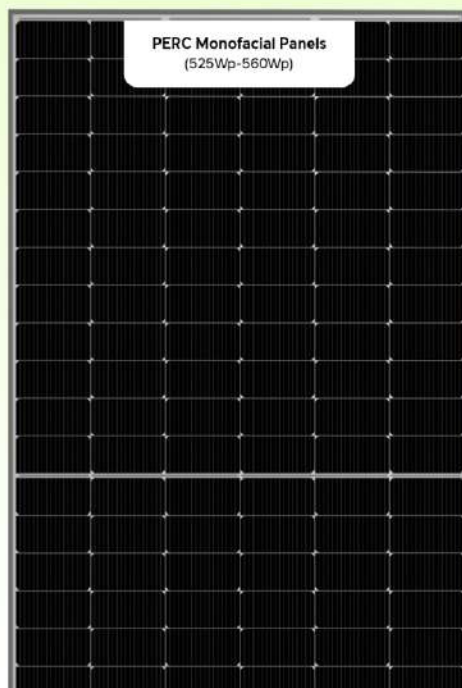
Increase tolerance with higher number of BUSBAR

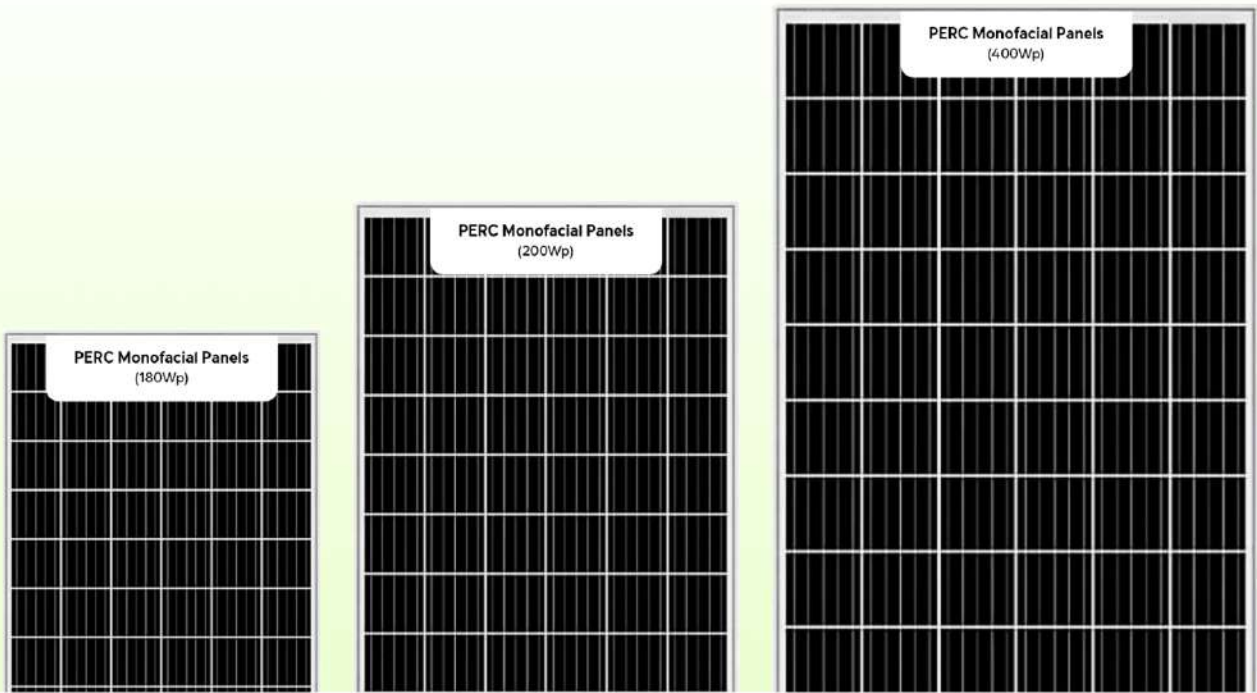


Backed by a 27-year performance warranty.



Cylindrical tabbing wire reduces shadow impact on the cell's active area.





03.

The **Ruby** Series

The Ruby Series delivers PERC Modules with efficiencies of 16.48% to 20.06% and a 25-year performance warranty. Built for durability, these PID-free modules resist harsh conditions and ensure reliable energy generation, even in low light.

PRODUCTS:

1. PERC Mono-Facial Panels

NOMINAL WATTAGE:

180Wp, 200Wp, 200Wp

WARRANTY:

25-year product lifetime with 0.5% annual degradation for added power yield.



Superior Module Efficiency



PID Resistant Performance



Passed tests for salt mist, ammonia, sand, and hail durability.



Withstands heavy wind (2400 Pa) and snow (5400 Pa) loads.



Positive Power Tolerance ensures consistency



Double stage LE Testing for quality assurance



Generates energy efficiently in low-light environments



Glass with anti-reflective coating improves light transmission



Backed by a 25-year performance warranty.



IP67/68 Junction Box for improved connectivity and protection

04.

The Sapphire Series

The Sapphire Series delivers Poly Modules with 13.88% to 17.26% efficiency, offering reliable performance, positive power tolerance, and excellent energy generation in low light. These durable, PID-free modules come with a 25-year performance warranty.

PRODUCTS:

1. Polycrystalline Solar Panels

NOMINAL WATTAGE:

40Wp, 75Wp, 100Wp, 165Wp, 335Wp

WARRANTY:

25-year product lifetime with 0.5% annual degradation for added power yield.



Superior Module Efficiency



PID Resistant Performance



Passed tests for salt mist, ammonia, sand, and hail durability.



Withstands heavy wind (2400 Pa) and snow (5400 Pa) loads.



Positive Power Tolerance ensures consistency



Double stage LE Testing for quality assurance



Generates energy efficiently in low-light environments



Glass with anti-reflective coating improves light transmission



Backed by a 25-year performance warranty.



IP67/68 Junction Box for improved connectivity and protection

Polycrystalline Solar Panels
(40 Wp)

Polycrystalline Solar Panels
(75 Wp)

Polycrystalline Solar Panels
(100 Wp)

Polycrystalline Solar Panels
(165 Wp)

Polycrystalline Solar Panels
(335 Wp)



Our two Core Areas: Planet and Principles for Action.

Through climate action, advancing the circular economy, and protecting biodiversity, we work towards a more sustainable world. We hold ourselves to the highest standards of ethics and integrity, ensuring that our supply chain and sourcing practices are responsible, transparent, and accountable.

Planet

Climate Action

We are committed to reducing carbon emissions and driving the global transition to a carbon-neutral future through innovative, eco-conscious solutions.

Circular Economy

Our circular economy approach maximizes resource use, extends product life cycles, and implements the 5Rs—rethink, reduce, reuse, repair, and recycle for renewable energy solutions.

Biodiversity & Community Impact

We protect biodiversity through global conservation efforts and improve local environmental stewardship and energy access.

Principles for Action

Ethics & Integrity

Our zero-tolerance policy for corruption is part of our commitment to doing business responsibly. We collaborate with partners and authorities to promote the highest ethical standards.

Sustainable Supply Chain

We work closely with our suppliers to drive continuous improvement, ensuring that the entire supply chain supports a sustainable energy transition.

Behaviors & Values

Our core values of safety, quality, and integrity foster a culture of harmony and responsible business practices.



Driving Sustainable Success for Tomorrow

In today's landscape of rising energy costs and evolving regulations, making sustainable choices is not just a necessity but a strategic advantage. At Xpogen Impex, we empower businesses to align their operations with sustainability goals while maintaining peak productivity. Our commitment to innovation and adaptability drives us to meet the changing needs of our customers, ensuring long-term success and a positive impact on society. Let's collaborate to scale sustainability and shape a greener, more resilient future together.

The information in this catalogue is intended for general guidance only and is given without engagement. Additional information and advice on specific products is available from our Support Team. For this however, we require a precise description of the preferred product.

If no detailed specifications are given for certain products, please contact our team.

We cannot be responsible for any errors, and we reserve the right to make technical and range modifications without notice.

No liability is accepted for printing errors and omissions.

Catalogue Design: Zaapr Digital Solutions
Catalogue Owner: Xpogen Impex Pvt. Ltd.

We're here to help you with any inquiries or support you may need. Whether you're exploring renewable energy solutions, seeking partnership opportunities, or simply have questions, feel free to reach out to us. Our team is committed to providing prompt and effective assistance to ensure your experience with Xpogen Impex is smooth and fulfilling.

www.xpogen.com



harshal@xpogen.com

+91 93227 93368

Office:
Mumbai, Maharashtra, India

 **xpogen impex**
Powering the Future, Sustainably

MAKING RENEWABLE ENERGY ACCESSIBLE, RELIABLE AND IMPACTFUL