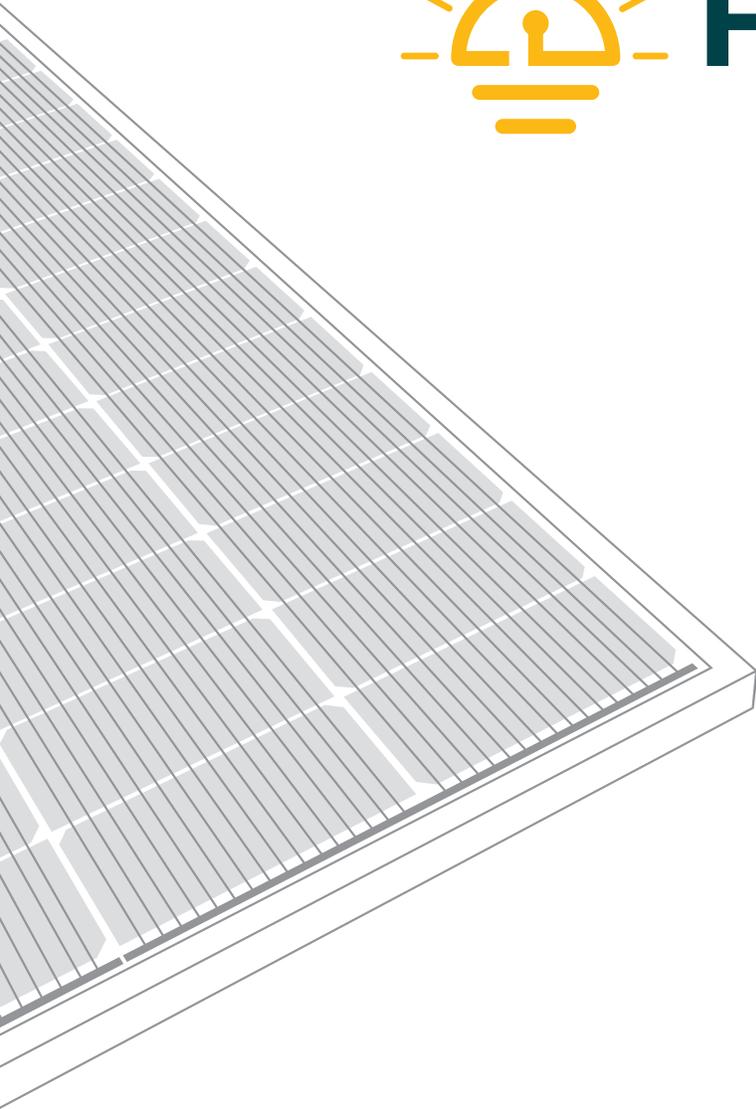




FUTURETM
S O L A R





Corporate House

Welcome to Samanvay Corporate House, the epicenter of our group's endeavors. The Samanvay Group stands out as one of the fastest-growing conglomerates, leaving its mark in Realty, Healthcare, and Chemical industries. We are now embarking on a new venture in the renewable energy sector, specifically in the manufacturing of PV Modules.

Within these walls, the synergy of innovation and collaboration is palpable, guided by a strategic vision that propels our collective success. As a dynamic group committed to excellence in diverse sectors, our corporate headquarters serves as the central hub for harmonizing talents, fostering growth, and aligning our businesses with a shared mission.

Step inside and experience a harmonious blend of expertise, ambition, and a culture that propels us towards a future of sustained prosperity.



#Vadodara

Vision

Fueled by agility and innovativeness, we strive to forge impactful partnerships that promote environmental sustainability.

We believe in cultivating a culture that values and nurtures the potential of every individual. Our commitment to leadership extends beyond technology, embracing a collective journey toward social and ecological responsibility. Together, we illuminate the path to a brighter, greener tomorrow.



Our Brand Mascot



Let's Grow Together.

Welcome to Future Solar, a tech innovation hub where sunlight transforms into boundless energy! As a pioneering solar panel manufacturing company, we take pride in crafting cutting-edge photovoltaic solutions that redefine sustainability.

Our vision is to provide end-to-end technology and backward integration, ensuring a seamless journey from solar panel production to renewable energy solutions.

Future Solar is the solar PV manufacturing venture of Samanvay Group, a diversified business conglomerate with a rich legacy in realty, healthcare, and chemicals in India over the past decade. Future Solar aspires to be one of India's fastest-growing solar companies with a 5.0 GW capacity, offering module manufacturing and services across the spectrum of products. The manufacturing facility at Karjan, Vadodara, Gujarat is strategically located near the North-South National corridor, giving us an edge for better supply chain management. With our fully automated production line by SC Solar and Jinchen with ATW Stringers, along with other advanced equipment, we aim to reduce costs and increase the scalability and reliability of our products.

Future Solar's comprehensive range of photovoltaic products, includes the latest N-type (M10R & G12R) technology. Our initial capacity was 600 MW/annum, which has increased to 5.0 GW / annum capacity.

Our PV modules span up to 600 Wp (144 Half-Cut Cell) up to 23.23% for TOPCon (M10R 16BB) and G12R 635 Wp (132 Half-Cut Cell) up to 23.51% for TOPCon (G12R 16BB). These modules are poised to spearhead a revolution in the solar market, setting elevated standards.

Our unwavering commitment to delivering high-quality modules is underscored by the integration of cutting-edge technology at our manufacturing unit.

Future Solar is proud to house a team of highly skilled technical experts, both in-house and as consultants, with unparalleled experience in the renewable energy fields, both locally and internationally. This ensures the delivery of perfect solutions to our clients. Our technology stands out through its ability to yield higher electricity in actual operating conditions. All our products and services are customer-focused, catering to home energy systems, as well as power plant development, with comprehensive support provided both before and after sales.

We offer exceptional solutions for residential, commercial, industrial and utility, roof top and ground mounted power plants at an unbeatable price. Our technology is recognized for its superior electricity yield in real-world conditions and low maintenance requirements.

We take pride in being a **'Make in India, Made for the World'** organization with excellent team support.

On the path to **#BuildGreenIndia**, we invite you to join hands with us as we work to grow together to achieve this common goal.

AUTO
LAYUP



A MAKE IN INDIA POWERHOUSE WITH A GLOBAL VISION

energizing the world with
innovation born in India.

AUTO
LAYUP

Message from the MD & CEO



Dear All,

It gives me immense pleasure to introduce to you our new venture Future Solar.

"Green, Clean, and abundant renewable energy are the basic ingredients for the economic progress of our cities, state and country." Future Solar is proudly committed to taking the initiative of our Prime Minister Shri Narendra Modi of NET ZERO by 2047. We aspire to contribute to his vision, and philosophy and support our country's energy independence and sustainability. Our journey over a decade has been a fascinating saga of revolutionary initiatives and responsible business practices.

In our quest to deliver sustainable energy, we are setting new benchmarks for operational efficiencies and investing in advanced technology and research. Our focus will be on building long-lasting and trusted relationships with our customers, partners, employees, stakeholders and communities, for long-term sustenance. We aim to consumer delight by growing together.

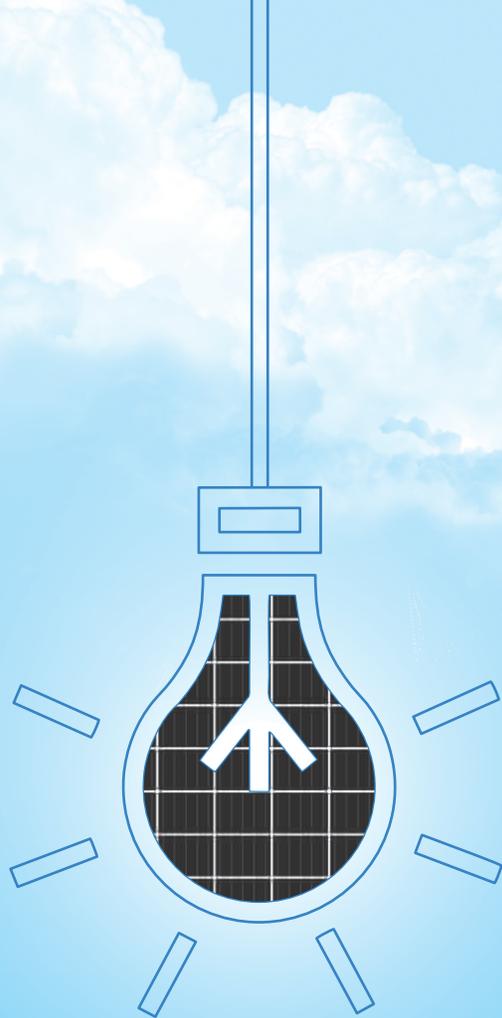
As we strive to lead the reform process for sustainable power, we are also committed to safeguarding the environment for future generations and developing our business in a way that adds value to the local communities. We plan to set higher benchmarks in terms of development standards, and the implementation of cutting-edge, eco-friendly technologies and processes of energy management.

We are committed to sustainable supplies of electric power, good governance and being leaders in each sector. We are confident of being #FutureGenenergy and continue lighting up lives.

Yours Sincerely

Ravi Rao
Founder & Managing Director / CEO





Core Values

Leadership from being a business leader to nurturing future leaders.

Innovativeness driving ideas to reality.

Integrity creates an environment of trust and transparency.

Responsiveness towards employees, customers and other stakeholders.

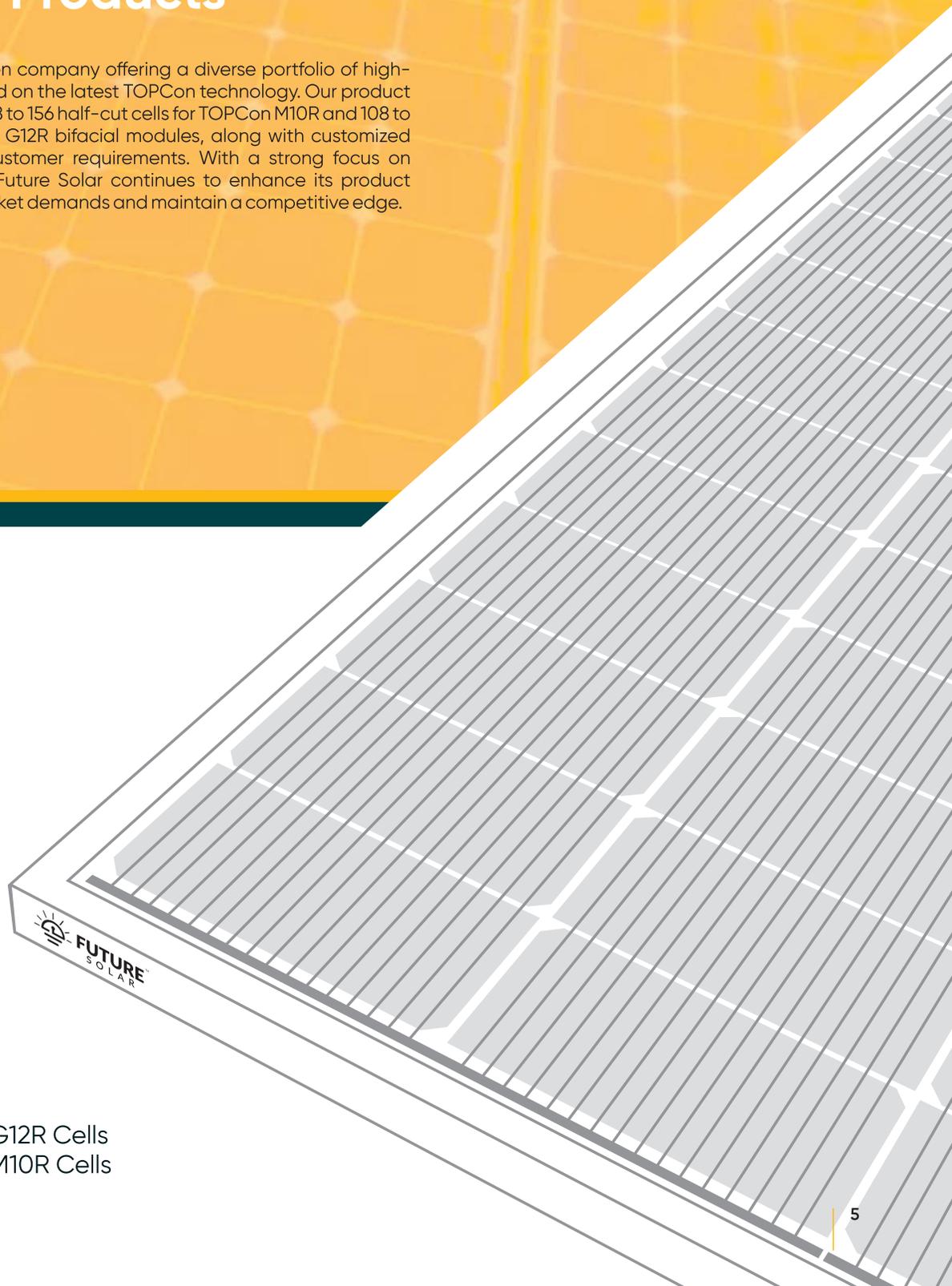
Agility towards Change that is only constant to the rapid dynamics of the world.



Module Manufacturing

Diversified Products

Future Solar is a market-driven company offering a diverse portfolio of high-efficiency solar modules based on the latest TOPCon technology. Our product range includes panels from 108 to 156 half-cut cells for TOPCon M10R and 108 to 132 half-cut cells for TOPCon G12R bifacial modules, along with customized solutions tailored to meet customer requirements. With a strong focus on research and development, Future Solar continues to enhance its product offerings to meet evolving market demands and maintain a competitive edge.



PV Modules

N-type TOPCon with G12R Cells
N-type TOPCon with M10R Cells

N-type TOPCon M10R

Half-Cut TOPCon Cell
(144 H.C.C)
Bifacial Dual Glass

23.23%

Maximum Efficiency

600 Wp

Maximum Power
Output



Download
Datasheet



N-type TOPCon G12R

Half-Cut TOPCon Cell
(132 H.C.C)
Bifacial Dual Glass

23.51%

Maximum Efficiency

635 Wp

Maximum Power
Output

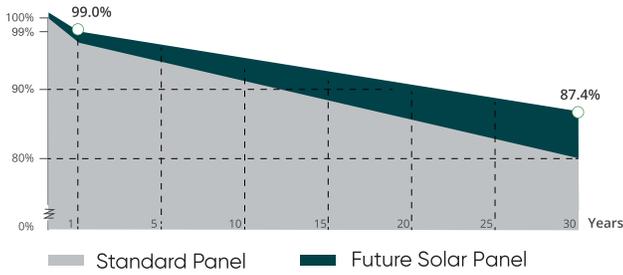


Download
Datasheet

WARRANTY

12 Year Product Warranty*

30 Year Linear Performance Warranty*



Sustainable energy,
cutting-edge design

Unleash the power of the sun
with sleek solar panels

Elevate your space, harness
the future

0~+4.99 W

Positive Power
Tolerance

GRADE A

Cells & BOM
Guaranteed

BIFACIAL

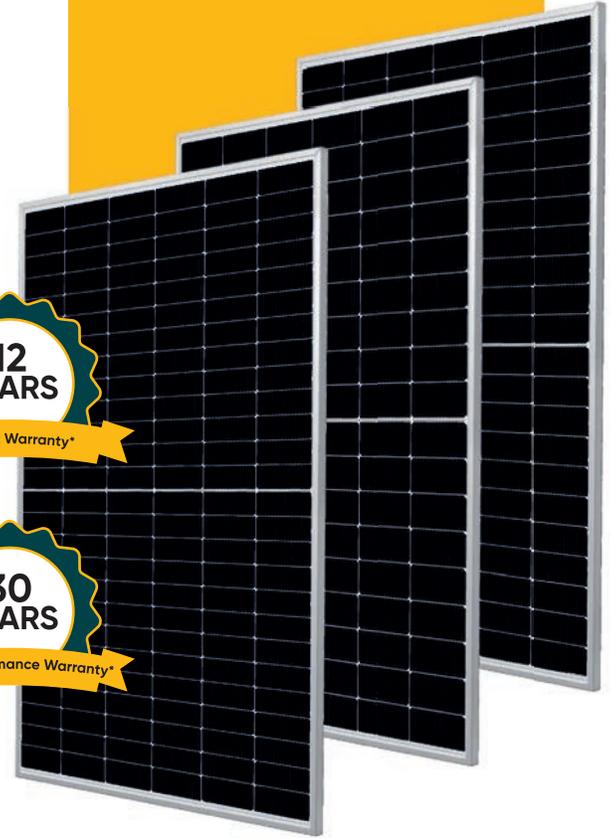
Type of Panel

**12
YEARS**

Product Warranty*

**30
YEARS**

Linear Performance Warranty*



KEY FEATURES



Higher Efficiency



PID Free/Low LID Protection



Bifaciality Factor : $80 \pm 10 \%$



Lower Temperature Coefficient



Lower Degradation



Less Hot Spot Shading Effects



Outstanding Power Generation



Exceptional Mechanical Resistance

*T&C Apply



M10R/G12R Cells 16BB



Residential



Commercial & Industrial



Utility



**MANUFACTURING
UNIT - III
(1000 MW X 2 Lines = 2 GW)**

**MANUFACTURING
UNIT - II
(1000 MW X 2 Lines = 2 GW)**

**MANUFACTURING
UNIT - I
(1000 MW X 1 Lines = 1 GW)**



UPCOMING 5.0 GW CELL
MANUFACTURING CAPACITY

Production Facility At Karjan Plant, Vadodara

Intelligent manufacturing state-of-the-art technology, intelligent logistics, intelligent business system, to achieve comprehensive intelligent management, to ensure product quality, improve operational efficiency and service efficiency.



World-class
automated
manufacturing



Improve customer
revenue levels



Lower production
cost



Fully transparent
intelligent manufacturing
process



SMBB Technology



Auto Bussing &
Soldering Technology

Our Technical Prowess

State of the art Solar Module Manufacturing

**THE NEED OF THE HOUR – TO MAKE CLEAN,
RENEWABLE ENERGY**



**World-Class Technology ATW Auto Stringer
& SC Solar / Jinchen Automation line**

R&D Facility & Certifications

The Photovoltaic Lab at FS Green Energies Private Limited, Vadodara, has a laboratory and testing facility specifically for encapsulants, backsheets, and their raw materials. An independently run facility, the lab is one of its kind that performs analytical and quality assurance tests for all polymers of encapsulants and backsheets.

Thus, periodic testing beyond a simple visual checking, of these components becomes a significant indicator of PV module quality.

Some of the critical testing parameters include:

- Wet Leakage Testing
- Static MLT (Mechanical Load Test)
- Dynamic MLT (Mechanical Load Test)
- Robustness of Termination test
- Damp Heat test
- Humidity Freeze Test
- Thermal cycling Test
- Potential Induced Test (PID) Test
- Bypass diode Test
- LID Outdoor Exposure Test
- Hot water Test
- Soldering Peel Test
- Microscope
- Solar IV Tester
- Moisture test
- Potting Ratio Test
- Frame Anodizing Thickness Test
- Shore Hardness test
- Gel Content Test
- Shrinkage testing
- Adhesion Strength (Glass to EVA/EPE)
- GSM Measurement
- Refractometer (RI Measurement)



IS14286 / IEC 61215 | IEC 61730-1 & 2:2023 | IEC 61215-1 & 2:2021 |
UL 61730 | IEC 61701 (salt mist) | IEC 62716 (Ammonia) |
IEC 61853-1 & 2 (PAN File) | LeTID | IEC 60068 (sand & dust) |
IEC 62804 (PID) | CEC | CE
ISO 9001 | 14001 | 45001

Certifications





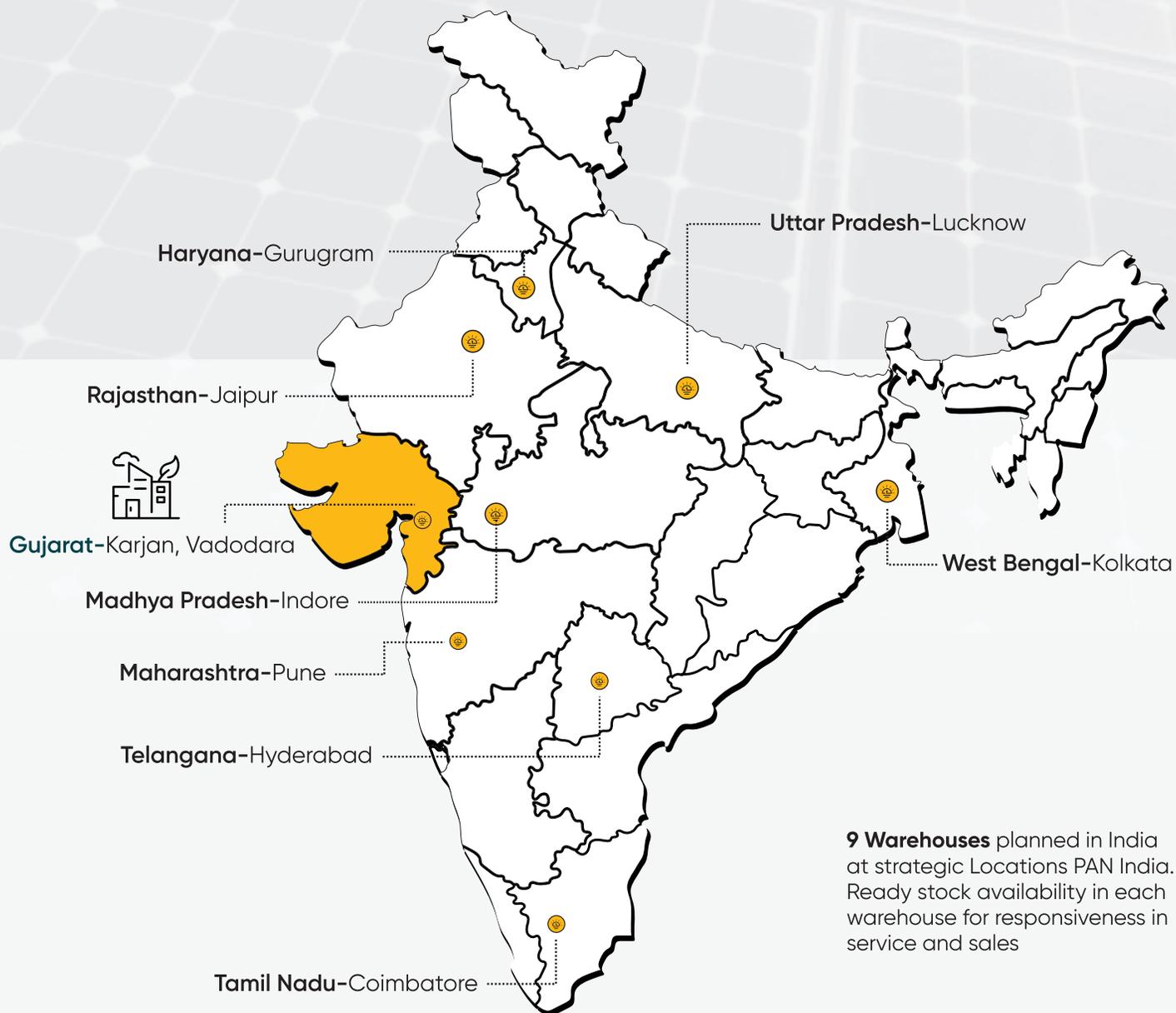
Clientele



More than 500+ MW TOPCon Modules Supplied till September 2025*

Our Reach, Warehouses & Sales Support PAN India

30+ Sales & Technical Support PAN India





Corporate Office :

FS Green Energies Private Limited
Samanvay House, Beside Urmī Society,
Nr. Alkapuri Haveli, Jetalpur Road,
Alkapuri, Vadodara - 390 007, Gujarat.

Manufacturing Unit :

FS Green Energies Private Limited
Survey No 160, Karjan Sadhli Road,
Juni Jithardi Village, Karjan - 391 240
Gujarat.

Zonal Office :

FS Green Energies Private Limited
Park Centra Block A, 6th Floor,
Avanta Business Centre,
Sector 30 Gurugram,
Haryana-122001.



Scan to know more

USA Office :

FS Green Energies Private Limited
39221, Paseo Padre Parkway. Suite K. Fremont, CA 94538. USA.
+1 408 655 8684

7353 161 333 | inquiries@futuresolar.net | futuresolar.net | For export : exports@futuresolar.net