

LIGHTING
THE WAY TO A
BRIGHTER
FUTURE

Leading Solar Panel Manufacturer

ABOUT US

Ganesh Green Bharat Limited (GGBL) is a technology-driven solar manufacturing company dedicated to building a sustainable energy future for India and global markets.

Headquartered in Gujarat, we design and manufacture high-efficiency solar modules using advanced N-Type TOPCon bifacial technology, delivering superior power output, durability, and long-term performance.

What began as a vision to support renewable energy adoption has grown into a trusted solar brand serving EPC contractors, developers, institutions, and businesses across the country. Today, Ganesh Green stands at the forefront of innovation, helping drive India's transition to clean, affordable, and reliable solar power.



MISSION

To light the path to a brighter and more sustainable India by delivering high-quality, innovative solar energy solutions.

Ganesh Green Bharat Limited is committed to driving positive change through innovation, reliability, and environmental responsibility. Our mission is to make renewable energy accessible, affordable, and impactful—empowering industries, communities, and households while contributing to a cleaner, greener future for generations to come.

VISION

To lead the renewable energy revolution in the Asian subcontinent by setting new benchmarks in solar technology and sustainable practices.

Ganesh Green Bharat Limited envisions becoming a trusted force in the clean energy sector—pioneering advanced solutions that not only transform energy landscapes but also inspire progress, resilience, and long-term environmental stewardship.

WHY CHOOSE US ?



Proven Industry Growth

From submersible and tube well services to a leading solar panel manufacturer, our journey reflects experience, adaptability, and trust.



Commitment to clean energy

We focus on sustainable solar solutions that support industries, communities, and farmers while contributing to a greener future.



Certified Quality & Safety Standards

ISO 14001:2015, ISO 9001:2013, and ISO 45001:2018 certifications ensure strict adherence to quality, environmental, and safety management systems.



Recognized Technical Excellence

Approved as a Class A Electrical Contractor, we meet the highest professional standards in India's private sector.



Innovation - Driven Approach

Continuous technological advancement allows us to deliver reliable, efficient, and future-ready solar solutions.



Trusted Nationwide Impact

Our solutions are designed to empower growth while supporting India's clean energy and sustainability goals.

WORLD- CLASS MANUFACTURING FACILITY

Automated production lines · Strict quality control · Precision engineering



500+

Tonnes of carbon emissions reduced.

700+

Delivered over 700MW+ of supply across central and state government bodies, PSUs, and developers

70+

Large-scale projects completed

VALUES

Our values form the foundation of our corporate culture and guide our actions, decisions, and interactions.

These values define who we are and guide us in our pursuit of excellence, sustainability, and positive impact. They are the compass that directs us on our journey towards achieving our vision and mission while maintaining the highest ethical standards. At Ganesh Green Bharat Limited, we are committed to upholding the following core values.



INTEGRITY

Our foundation is built on unwavering integrity, honesty, and transparency, fostering trust in all our relationships.

EXCELLENCE

We relentlessly pursue excellence, setting high standards, innovating continuously, and striving for perfection in all aspects.

SUSTAINABILITY

Deeply committed to sustainability, we actively seek eco-friendly solutions, minimize our carbon footprint, and promote sustainable practices.

TEAMWORK

We value collaboration, harnessing the diverse skills, knowledge, and experiences of our workforce to achieve.

SOCIAL RESPONSIBILITY

As responsible corporate citizens, we support initiatives that improve lives, empower communities, and contribute to the greater good.

INNOVATION

At our core, innovation drives success. We embrace creativity, curiosity, and forward-thinking to lead in technological advancements.

RESPECT

Our inclusive, diverse workplace fosters mutual respect, valuing each individual's unique contributions.

SAFETY

We prioritize safety, maintaining stringent standards to protect our employees, customers, and communities.

ACCOUNTABILITY

Taking ownership of our actions and decisions, we commit to meeting our commitments, learning, and continuous.

PRODUCT KEY FEATURES



High-Efficiency Energy Output

Bifacial gain of up to 25% for higher power generation from both sides of the panel.



Advanced Power Rating

Positive power tolerance of 0 to +5W, ensuring consistent and reliable performance.



Superior Low - Light Performance

Optimized for early morning, evening, and cloudy-day generation.



High Bifaciality

Bifaciality factor above 80% for improved energy yield.



Built for Harsh Conditions

Designed to withstand high wind loads, snow, and extreme temperatures.



Lower Degradation

Reduced annual power loss for long-term energy reliability.



Premium Solar Cells

Manufactured using Tier-1 brand solar cells.



Durable Module Construction

POE & EPE encapsulation for extended module life & enhanced protection.



Strong Aluminium Frame

High-strength 6005-T6 alloy frame for mechanical stability and durability



Optimized for Hot Climates

Better temperature coefficient for consistent performance in high-heat regions.

PRODUCT CERTIFICATIONS

Our solar modules comply with leading international and national standards.

ELECTRICAL & SAFETY STANDARDS

- IS 14286
- IEC 61730-1 / 61730-2

PERFORMANCE & RELIABILITY STANDARDS

- IEC 61215
- IEC 61853

ENVIRONMENTAL & DURABILITY STANDARDS

- IEC 61701
- IEC 62716
- IEC 62804

MANAGEMENT SYSTEM CERTIFICATIONS

Ganesh Green Bharat Limited operates under globally recognized management frameworks.

ISO 9001:2015

- Quality Management System
- Ensuring consistent product quality and process excellence

ISO 14001:2015

- Environmental Management System
- Commitment to sustainable and responsible manufacturing

ISO 45001:2018

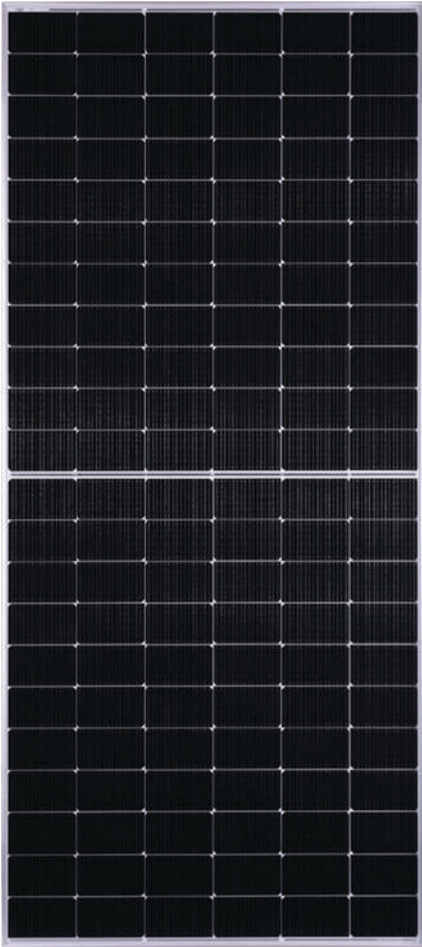
- Occupational Health & Safety
- Providing safe and compliant working environments



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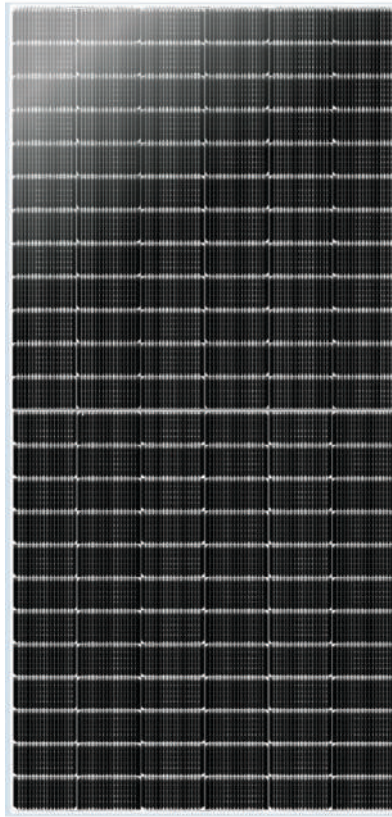
PRODUCT DETAILS



G12 R 132 HALF-CUT CELLS N-TYPE TOPCON BIFACIAL

TECHNOLOGY	N - TYPE TOPCon BIFACIAL
POWER OUTPUT	UP TO 650 WP
CELL CONFIGURATION	132 HALF-CUT CELLS
MODULE DESIGN	GLASS TO GLASS BIFACIAL MODULE
MODULE SIZE	2382 X 1134 X 30 mm
MODULE EFFICIENCY	UPTO 24.06%

PRODUCT DETAILS



144 HALF-CUT CELLS BIFACIAL MODULE

TECHNOLOGY	MONO PERC - 10BB
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POWER OUTPUT	UP TO 550 WP
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CELL CONFIGURATION	144 HALF-CUT CELLS
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MODULE DESIGN	GLASS TO WHITE BACKSHEET GLASS TO TRANSPARENT BACKSHEET
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MODULE SIZE	2278 x 1134 x 30 mm
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MODULE EFFICIENCY	UPTO 21.29%
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TECHNOLOGY	N - TYPE TOPCon - 16BB
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POWER OUTPUT	UP TO 600 WP
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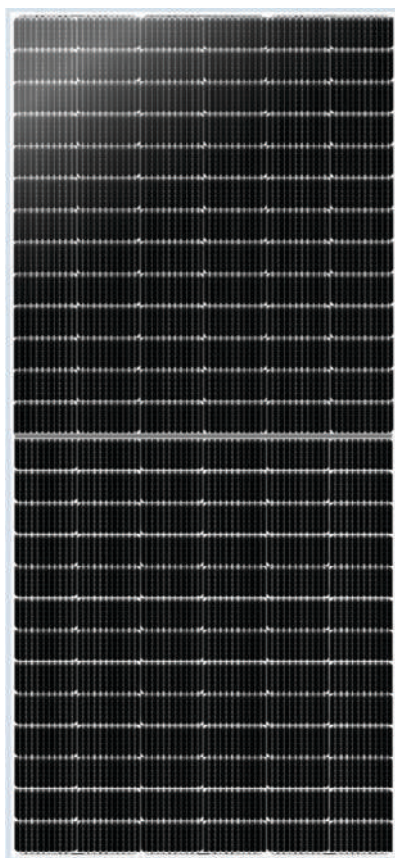
CELL CONFIGURATION	144 HALF-CUT CELLS
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MODULE DESIGN	GLASS TO GLASS BIFACIAL
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MODULE SIZE	2278 x 1134 x 30 mm
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MODULE EFFICIENCY	UPTO 23.23%
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PRODUCT DETAILS



156 HALF-CUT CELLS BIFACIAL MODULES

TECHNOLOGY	MONO PERC - 10BB
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POWER OUTPUT	UP TO 595 WP
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CELL CONFIGURATION	156 HALF-CUT CELLS
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MODULE DESIGN	GLASS TO TRANSPARENT BACKSHEET
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MODULE SIZE	2466 x 1134 x 30 mm
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MODULE EFFICIENCY	UPTO 21.27%
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TECHNOLOGY	N - TYPE TOPCon - 16BB
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POWER OUTPUT	UP TO 650 WP
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CELL CONFIGURATION	156 HALF-CUT CELLS
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MODULE DESIGN	GLASS TO GLASS BIFACIAL
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MODULE SIZE	2466 x 1134 x 30 mm
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MODULE EFFICIENCY	UPTO 23.24%
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RESEARCH & DEVELOPMENT LAB

Our Motto is to Provide the Best in Class Solar PV Modules in the Industry with Utmost Quality and Better Reliability for contributing the Green Energy Revolution.

To Accommodate this we implemented the R&D Lab equipped with in-house R&D Test Setup for Raw Materials qualification, Reliability of the Products and New Product development

1. ENVIRONMENTAL CHAMBERS

- PID Testing
- Damp Heat Testing
- Thermal Cycling Test
- Humidity Freeze Test
- Bypass Diode Thermal Test..etc

2. OTHER ROUTINE TEST

- Gel Content Test
- Universal Tensile Test
- Peel off Test etc.

3. OTHER RELIABILITY TEST

- Mechanical Load Test
- Wet leakage Test
- Robustness Test

4. POWER SUPPLY

- Thermal Cycle/Humidity
- Freeze and PID-Common



PICTORIAL FEATURES



ADVANCED AUTOMATED MANUFACTURING

Our fully automated production lines ensure high precision, consistent quality, and efficient large-scale manufacturing.

HALF-CELL MODULE ARCHITECTURE

The half-cell design reduces internal electrical losses, improves thermal behavior, and delivers higher overall energy output.

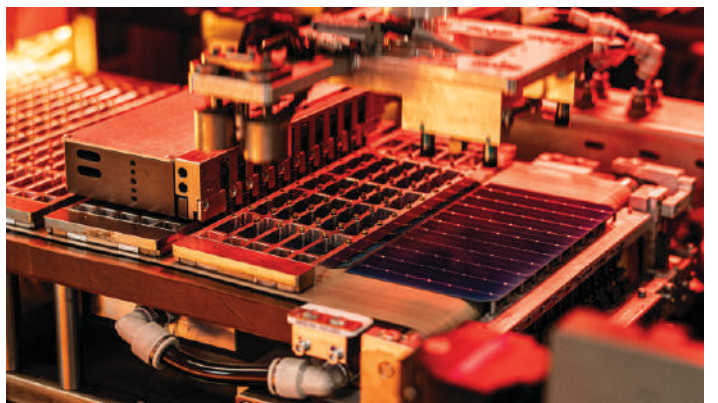


MULTI-BUSBAR (MBB) CELL TECHNOLOGY

Multi-busbar cells lower electrical resistance and enhance current collection, resulting in improved efficiency and long-term reliability.

PRECISION LASER CELL CUTTING

Advanced laser cutting technology ensures accurate cell separation, improving reliability and protecting the integrity of each solar cell.





SMART ELECTRICAL ARCHITECTURE

Series-parallel cell connections allow better energy generation even under partial shading, delivering more consistent power output.

HIGH-STRENGTH MODULE FRAME

A robust 30 mm aluminum frame provides superior structural strength, protecting modules from high wind and mechanical loads.

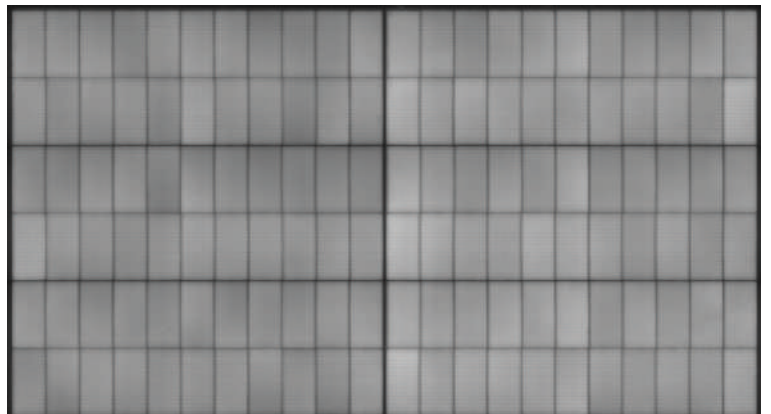


MULTI-STAGE QUALITY INSPECTION

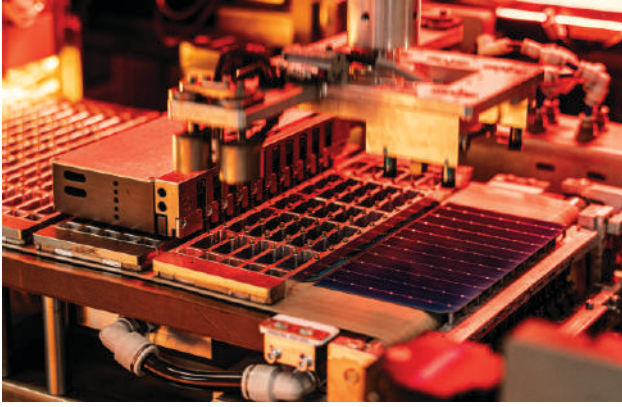
Series-parallel cell connections allow better energy generation even under partial shading, delivering more consistent power output.

100% EL TESTING & QUALITY CONTROL

Detects micro-cracks and ensures defect-free modules



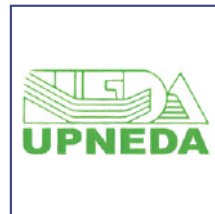
MACHINERY



- NDC (NON DESTRUCTIVE CUTTING) TECHNOLOGY
- MBB STRINGERS WITH ROUND RIBBON CAPABILITIES
- STRINGER LEVEL EL INSPECTION
- AUTO LAYUP
- AUTO BUSSING
- AUTO TAPING
- EL & VISUAL FRONT & REAR
- DOUBLE STAGE LAMINATION
- FULLY AUTOMATIC FRAMING
- AUTO JB GLUE FIXING
- AUTO JB SOLDERING
- AUTO JB POTTING
- AUTO CURING
- IN LINE SAFETY TESTERS
- CLASS A+A+A+ SUN SIMULATOR
- AUTO SHORTER
- VISUAL INSPECTION WITH AI
- REID READ/WRITE
- IV TESTING



OUR CLIENTS



COMPANY MILESTONES

1999



Ganesh Group founded, specializing in Submersible pump service and repairs.

2001



Diversification into Submersible Pump and Tubewell developing.

2010



Ventured into electrification work, contributing to projects for Gujarat Council of Science City.

2025



Manufacturing capacity expanded from 750 MW to 1.1 GW, strengthening our position as a leading solar module manufacturer. Successfully secured the highest-ever solar module single supply order of 378 MW, marking a significant milestone in Ganesh Green Bharat Limited's growth journey.

2024



Initiated line shifting, powerhouse construction, and solar manufacturing integration. NSE Listed (Stock Code: GGBL) Capacity upgraded to 750 MW.

2021



Successfully navigated challenges posed by the COVID-19 pandemic, outperforming industry peers. Incorporated 200MW Solar PV manufacturing.



2013



Successful completion of electrification projects for GIDC and public places.

2016



Entered the solar industry with a focus on providing solar home lighting solutions in tribal areas.

2017



Achieved MNRE Channel Partner status, completed a significant lighting project in Rajasthan and Gujarat.

2019



Notable year with an 80,000-system order in Rajasthan and the establishment of a battery manufacturing unit.

2018



Expanded operations into Chhattisgarh, executing a project for CREDA.



HEAD OFFICE

G-201, S.G Business Hub,
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