

**LIGHTING**  
THE WAY TO A  
**BRIGHTER**  
FUTURE

*Leading Solar Panel Manufacturer*

# ABOUT US

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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

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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

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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 ?

 <p><b>Proven Industry Growth</b></p> <p>From submersible and tube well services to a leading solar panel manufacturer, our journey reflects experience, adaptability, and trust.</p>	 <p><b>Commitment to clean energy</b></p> <p>We focus on sustainable solar solutions that support industries, communities, and farmers while contributing to a greener future.</p>	 <p><b>Certified Quality &amp; Safety Standards</b></p> <p>ISO 14001:2015, ISO 9001:2013, and ISO 45001:2018 certifications ensure strict adherence to quality, environmental, and safety management systems.</p>	 <p><b>Recognized Technical Excellence</b></p> <p>Approved as a Class A Electrical Contractor, we meet the highest professional standards in India's private sector.</p>
	 <p><b>Innovation - Driven Approach</b></p> <p>Continuous technological advancement allows us to deliver reliable, efficient, and future-ready solar solutions.</p>	 <p><b>Trusted Nationwide Impact</b></p> <p>Our solutions are designed to empower growth while supporting India's clean energy and sustainability goals.</p>	

## WORLD- CLASS MANUFACTURING FACILITY

Automated production lines · Strict quality control · Precision engineering



# 500+

Tonnes of carbon emissions reduced.

# 450+

Crores worth of solar projects delivered

# 70+

Large-scale projects completed

# VALUES

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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:



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## INTEGRITY

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

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## TEAMWORK

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

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## RESPECT

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

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## EXCELLENCE

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

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## SOCIAL RESPONSIBILITY

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

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## SAFETY

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

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## SUSTAINABILITY

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

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## INNOVATION

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

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## ACCOUNTABILITY

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

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# 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



R-72005886



# 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 WITH FRAME
MODULE SIZE	2382 X 1134 X 30 mm
MODULE EFFICIENCY	UPTO 24.07%



## 144 HALF-CUT CELLS BIFACIAL MODULE

TECHNOLOGY MONO PERC - 10BB

POWER OUTPUT UP TO 550 WP

CELL CONFIGURATION 144 HALF-CUT CELLS

MODULE DESIGN

- GLASS TO WHITE BACKSHEET WITH FRAME
- GLASS TO TRANSPARENT BACKSHEET WITH FRAME

MODULE SIZE 2278 x 1134 x 30 mm

MODULE EFFICIENCY UPTO 21.29%

TECHNOLOGY N - TYPE TOPCon - 16BB

POWER OUTPUT UP TO 600 WP

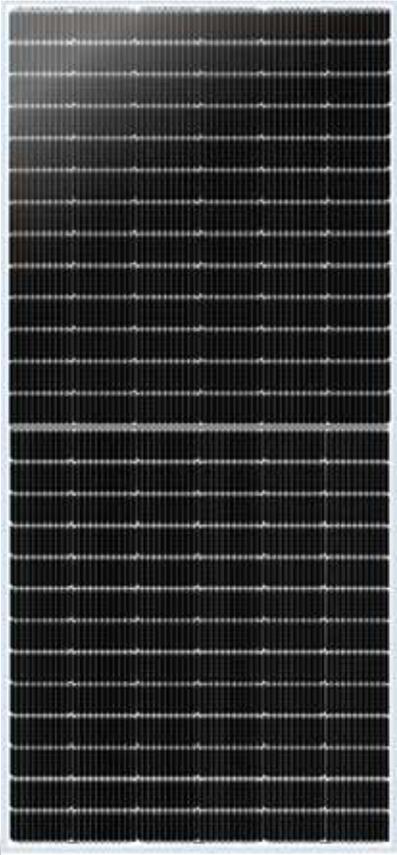
CELL CONFIGURATION 144 HALF-CUT CELLS

MODULE DESIGN GLASS TO GLASS BIFACIAL WITH FRAME

MODULE SIZE 2278 x 1134 x 30 mm

MODULE EFFICIENCY UPTO 23.23%

# PRODUCT DETAILS



## 156 HALF-CUT CELLS BIFACIAL MODULES

TECHNOLOGY	MONO PERC - 10BB
POWER OUTPUT	UP TO 595 WP
CELL CONFIGURATION	156 HALF-CUT CELLS
MODULE DESIGN	· GLASS TO TRANSPARENT BACKSHEET WITH FRAME
MODULE SIZE	2466 x 1134 x 30 mm
MODULE EFFICIENCY	UPTO 21.27%

TECHNOLOGY	N - TYPE TOPCon - 16BB
POWER OUTPUT	UP TO 650 WP
CELL CONFIGURATION	156 HALF-CUT CELLS
MODULE DESIGN	GLASS TO GLASS BIFACIAL WITH FRAME
MODULE SIZE	2466 x 1134 x 30 mm
MODULE EFFICIENCY	UPTO 23.24%

# 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 Design



# 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.

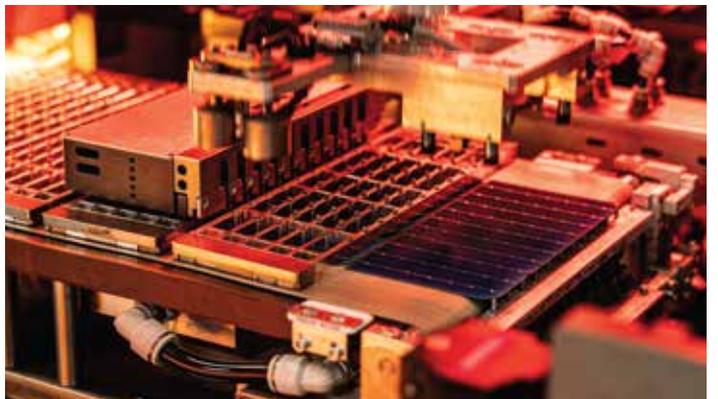


## MULTI-BUSBAR (MBB) CELL TECHNOLOGY

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

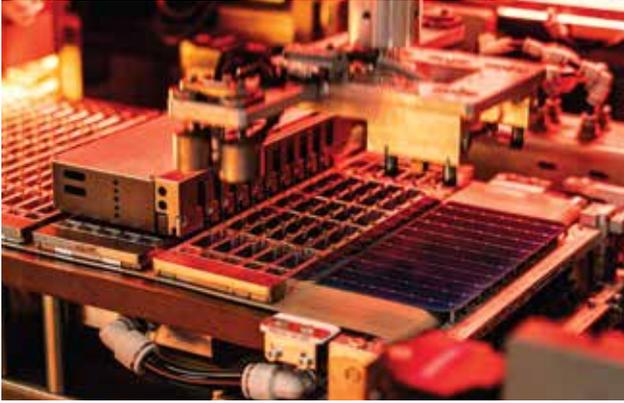
A robust 30 mm aluminum frame provides superior structural strength, protecting modules from high wind and mechanical loads.



### MULTI-STAGE QUALITY INSPECTION

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

# 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 700 MW to 1.1 GW, strengthening our position as a leading solar module manufacturer. Successfully secured the highest-ever solar module 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 with expansion plans up to 1.5 GW.

**2021**

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



**2013** 

Successful completion of electrification projects for GIDCS and public places.

**2016** 

Entered the solar industry with a focus on tribal area solar home lighting.

**2017** 

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



Successfully navigated challenges posed by the pandemic, growing industry demand and incorporated 200MW manufacturing.

**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,  
Near Gota Flyover, S.G Highway, Gota  
Ahmedabad - 382470, Gujarat, India

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