

The background features a large, stylized orange dome or arch structure. The upper portion of the dome is filled with a grid pattern, resembling solar panels. Below the dome, there are large, overlapping, light gray curved shapes that create a sense of depth and movement.

Designed for Trust

Gstar Company Brochure

The background of the slide is an aerial photograph of a dense, lush green forest. A large, white, semi-transparent geometric shape, resembling a stylized 'V' or a folded corner, is positioned diagonally across the image. This shape contains the text. The text is arranged in three lines, with the first two lines in orange and the third line in white. The overall composition suggests a connection between nature and sustainable energy technology.

Being A Trusted Global New Energy Solution Provider

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01

About Gstar



Founded in 2019, Gstar is guided by the vision of “Being A Trusted Global New Energy Solution Provider”. Leveraging Standard Energy Group’s integrated photovoltaic supply chain—including silicon ingots and wafers produced in Indonesia and aluminum frames manufactured in Laos—Gstar delivers solar solutions defined by reliability and sustainability.

Relevant manufacturing entities within Gstar’s supply chain have undergone CEA non-FEOC assessments, reinforcing the group’s traceability and compliance positioning in key markets. Gstar operates 3 GW of cell capacity and 2 GW of module capacity, with production in the Philippines and an upcoming U.S. facility, supporting key markets across the U.S., Europe, and India.

Gstar offers both N-type and P-type solar cells and modules, with module power outputs ranging from 425W to 725W for residential, commercial, and utility-scale applications. Certified by ETL, UL, CE, and TUV, Gstar modules come with a 15-year product warranty and a 25-year linear power warranty, ensuring consistent and long-term performance.



Integrated Supply Chain



Full Traceability



Policy-Aligned



**Global Manufacturing
Network**



Wide Power Range



**Comprehensive
Certifications**

GLOBAL PRESENCE

Headquarter

Singapore

Production Base

U.S.

PV Module Aluminium Profile

Indonesia

Silicon Ingot Silicon Wafer

Laos

Aluminium Profile

Philippines

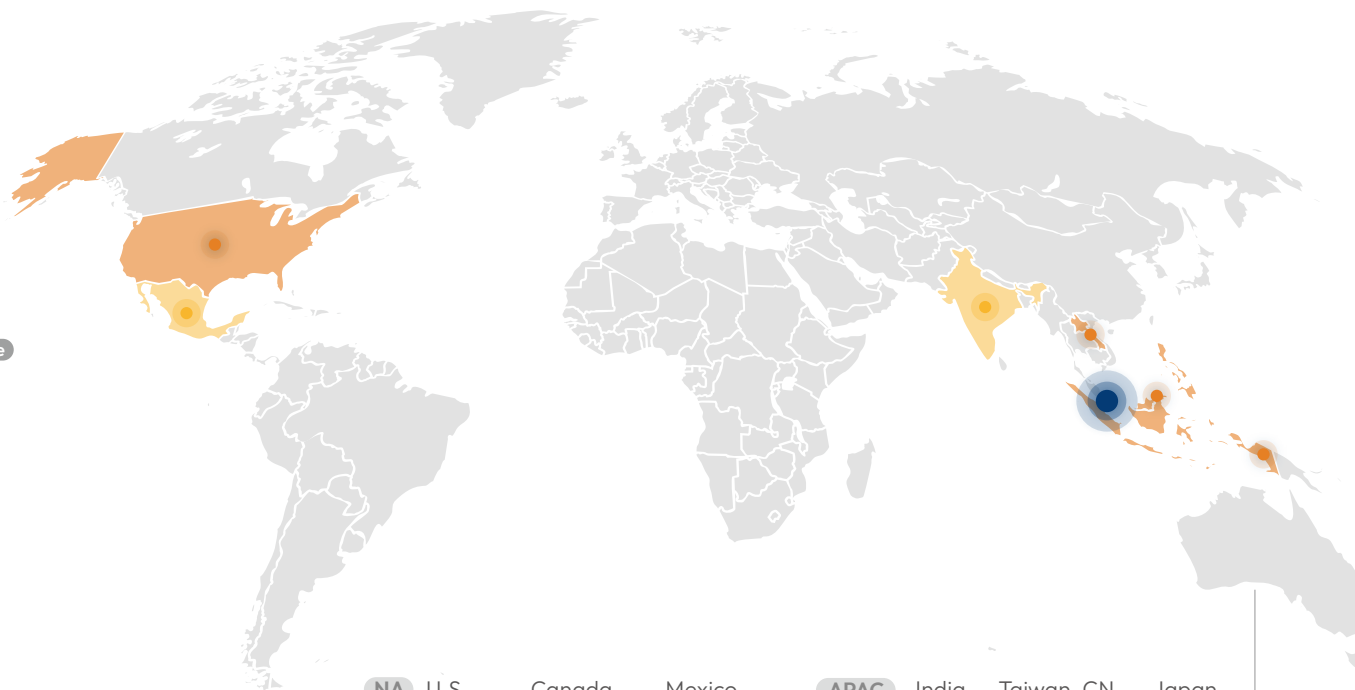
PV Cell PV Module

Service Center

U.S.

India

Mexico



NA

U.S.

Canada

Mexico

APAC

India

Taiwan, CN

Japan

EU

Spain

UK

Germany

France

Italy

Poland

MENA

UAE

North Africa

Market

CAPACITY LAYOUT



PV
MODULE

4 GW

USA 2GW
Philippines 2GW

PV
CELL

3 GW

Philippines 3GW

**Backed by Standard Energy's
Integrated PV Supply Chain**



INGOT

3 GW

WAFER

3 GW



ALUMINUM PROFILE

10 GW



ALUMINUM PROFILE

5 GW



Products & Solutions



PV MODULE SERIES

P-Type Series

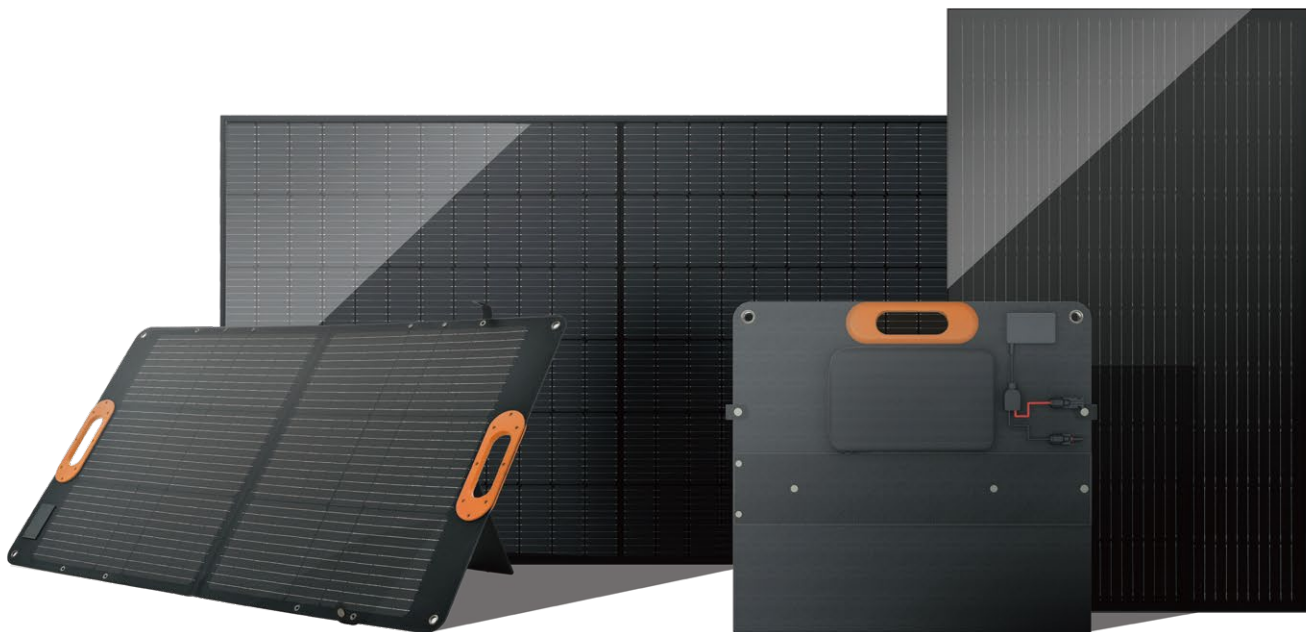
- MBB Technology
- High Density Interconnection
- Nondestructive Cutting Technology
- Low Degradation

N-Type Series

- Ultra low degradation
- Excellent Anti-PID performance
- Lower LCOE and BOS cost
- Excellent temperature coefficient

Designed Series

- CleanEdge Module-Full screen and self-cleaning design
- LightEdge Module-Ultra thin, Ultra Light
- Portable Module-Foldable design, plug and play



PV MODULE SERIES

Full Power Coverage for All Applications

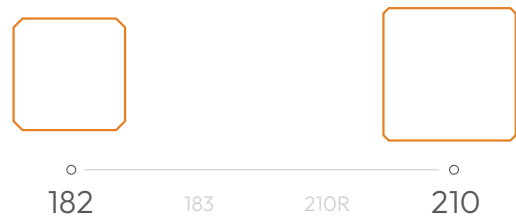
Module Type		 Residential Selection	 Commercial Selection	 Utility-Scale Selection
PERC Module	Standard Type	100W/200W/410W/415W	460W/505W/550W/585W	600W/670W
	LightEdge	110W		
	CleanEdge	440W	455W/630W	
	Standard Type	100W/200W/440W	455W/490W/595W/630W	640W/720W/740W(HJT)
N-Type Module				

For detailed specifications of each module, please contact our sales team or visit our website to download the datasheet.

PV CELL

The solar cell factory in the Philippines has an annual capacity of 3GW, focusing on N-type and P-type cells across mainstream sizes. Equipped with advanced automation and intelligent systems, it ensures scalable, digital, and high-efficiency manufacturing. With full traceability and strict quality control, each cell delivers reliable performance, with average efficiency up to 25.2%.

Gstar Cell Size



Average Efficiency

25.2%

PV CELL SERIES



PM 1010

P-Type

182.2*182.2mm

10BB



TM 1016

N-Type

182.2*182.2mm

16BB

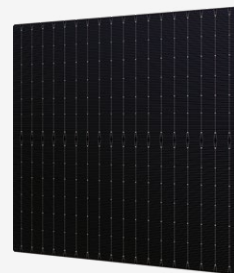


TM 1016-01

N-Type

183.75*182.2mm

16BB



TM 1218

N-Type

210*210mm

18BB



TM 1216

N-Type

182.3*210mm

16BB

PARTNERING IN AMERICA'S ENERGY TRANSITION

Gstar is strengthening its presence in the **U.S.** solar market.

 **100+** Projects

Proven Track Record

Delivered 100+ U.S. residential and C&I solar projects, demonstrating scale, reliability, and market commitment

 **20+** U.S. Distributors, Installers and EPC's

Trusted Partnerships

Strong local network to deliver reliable solar solutions

Aligned with U.S. Energy Policies



- Fully compliant with U.S. trade and energy regulations
- Not classified as a Foreign Entity of Concern (FEOC)
- Ensures a secure and trusted supply chain for customers

U.S. Manufacturing & Warehousing

- **2GW** PV module manufacturing facility
- **2** strategically positioned warehouses for fast delivery



PROJECT REFERENCE

Gstar's high-performance solar modules have been installed on thousands of rooftops, earning widespread praise for their reliability and efficiency. Our solutions continue to provide long-term value to homeowners, businesses, and large-scale utility projects, driving the global transition to clean, renewable energy.



**Outdoor
PV Power System**



**Residential
PV Power Plants**



**Industrial and Commercial
PV Power Plants**



**Large-scale Terrestrial
PV Power Plants**



03

Innovation & Quality Assurance

PRODUCT R&D



Innovative Patents

Gstar frequently develops innovative patents. Our "CleanEdge" modules, featuring a frameless front design, have been granted patents by the USPTO (USA) and EUIPO (EU). This unique design effectively prevents water and dust accumulation, enhancing energy generation while reducing operation and maintenance costs.



Diverse Module Development

Gstar is committed to the development of diverse module designs. Our various module configurations balance electrical parameters, weight, and other performance metrics, improving system compatibility during installation. This ensures we can offer tailored photovoltaic module solutions for different application scenarios, meeting the needs of a wide range of customers.



Keepgoing Cells Technology Research

We continue to deepen our research in cell technologies, with full coverage across the N-type domain. Our advancements in TOPCon, HJT, and BC technologies ensure we stay at the forefront of solar cell innovation.



Integration Systems Development

Looking ahead, Gstar is focused on the continuous research of integrated photovoltaic systems, striving to provide our clients with comprehensive, reliable, and innovative solutions for the evolving solar energy landscape.

SMART MANUFACTURING

Vertically Integrated Smart Manufacturing for Solar



Professional staff



Advanced equipment



High degree of automation



Efficient production processes



Intelligent production



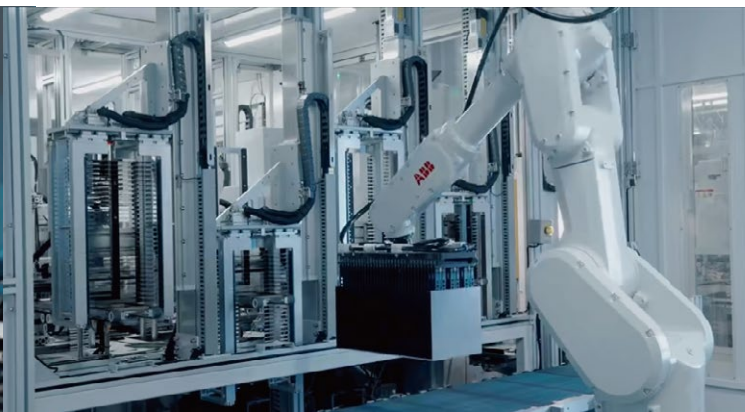
Big data support



Production Line Flexibility



Automatic monitoring
of the entire process



QUALITY ASSURANCE

Product Quality

- High-quality solar products with rigorous testing
- Strict quality control (IQC, IPQC, FQC, OQC) to ensure consistency

Warranty

15 Year Product warranty

25 Year Linear power warranty for long-term performance and energy output

Industry Recognition



2024 RETC
"Overall Highest Achiever"



Member of SEIA
(Solar Energy Industries Association)



Global Top 500
New Energy Enterprises



Dun & Bradstreet
Registered

QUALITY ASSURANCE

Certifications

Key Certifications



ISO9001 Quality Management Systems

ISO14001 Environmental Management Systems

ISO45001 Occupational Health and Safety Management Systems

Global Certifications



UNITED STATES
PATENT AND TRADEMARK OFFICE



EUIPO
EUROPEAN UNION
INTELLECTUAL PROPERTY OFFICE



Third-Party Verified Quality & Traceability



Intertek CEA Traceability Audit

Module-to-polysilicon traceability verified

USA polysilicon / Indonesia ingot & wafer /
Philippines cell & module

BOM-approved supplier chain confirmed



Kiwa PI Quality Process Audit

PT STANDARD Indonesia wafer facility audited

Qualified silicon wafer supplier

QMS, equipment, process control and traceability
reviewed

04

Proven Reliability



MARKET FEEDBACK

At major international PV exhibitions, Gstar's products have garnered significant attention for their innovation and efficiency. Industry professionals and attendees have praised the cutting-edge technology, high performance, and aesthetic appeal of our solutions. Our integrated supply chain and commitment to sustainability were also highlighted as key differentiators, reinforcing our reputation as a leader in the renewable energy sector.



CUSTOMER FEEDBACK

Distributor Feedback

“We are very satisfied with the quality and performance of Gstar PV modules. They effectively meet the growing demand for high-efficiency, cost-effective renewable energy solutions here in California. Your team has been easy to work with, providing smooth order processing and excellent customer support. This has strengthened our confidence in Gstar brand and has helped us better serve the needs of our local market. We look forward to continuing our successful partnership.”



E-store Customer Feedback



Reviewed in the United States on January 31, 2025

Size: 100W Solar Panel

My wife and I really like this product. This product is so amazing. This product is so wonderful.



Reviewed in the United States on January 31, 2025

Size: 100W Solar Panel

My wife and I really like this product. This product is so amazing. This product is so wonderful.



Reviewed in the United States on January 12, 2025

Size: 2Pcs 100W Solar Panel

This is a nice 100w solar panel. I hooked it up to a Portable Power Station and it charged at the full 100w with full sun. So issues seems well made.



Reviewed in the United States on February 5, 2025

Size: 100W Solar Panel

So far this one is smaller than my older 100 watt panels but it's putting out the same amount of power. it's one of four solar panels to charge a battery and power two fans in a greenhouse. 2 in series and then in parallel. Working good so far.



Reviewed in the United States on January 3, 2025

Size: 100W Portable Solar Panel

This unit is light, easy to hook up, has several adapters to choose from. It also appears to be compatible with our other external solar panels and our on board system.

We used it to charge a Jackery 500. The Jackery was at 64% at 9:15 am. We placed the panel in full sun and ensured it remained in full sun. The Jackery reached 100% at 2:00 pm. We had 28 watts coming in at full sun with no clouds today.

RELIABLE SERVICE ASSURANCE

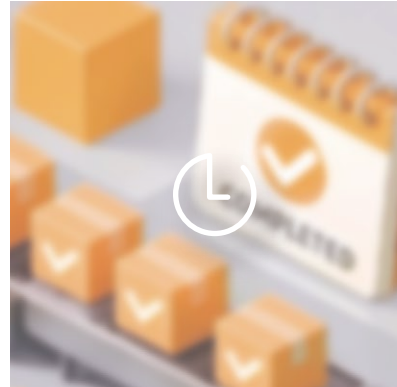
Deep Globalization & Rapid Response to Customer Needs



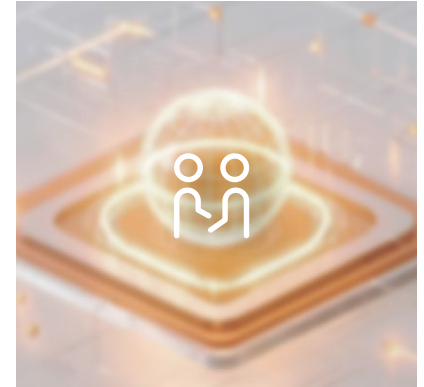
**Flexibility and
Customization
Capability**



**Responsiveness is
Guaranteed**



**Efficient Delivery
Cycle
Guarantee**



**Timely
Communication
and Coordination**

BEING A TRUSTED GLOBAL NEW ENERGY SOLUTION PROVIDER



E-mail info@gstar-solar.com

Web www.gstarsolar.com



LinkedIn



Facebook



X



YouTube