



SEG Solar Inc.

SEG Global Headquarters & Manufacturing Base
10625 Telge Road, Houston, TX 77095, USA

Tel
(1)281 861 5723

Email
info@segsolar.com

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A LEADING US SOLAR MODULE MANUFACTURER WITH A FULLY INTEGRATED SUPPLY CHAIN

www.segsolar.com



Solar. Energy. Generation.



SEG SOLAR
BORN AND RAISED IN THE USA

VISION

Creating a sustainable future for the next generation.

MISSION

Committed to establishing a clean and sustainable photovoltaic industry supply chain in America, driving efforts towards energy independence while empowering nations worldwide to make a positive impact on the planet.

Who We Are

US-owned company

100%

Founded in

2016

Global headquarters in

HOUSTON, TEXAS



ABOUT SEG SOLAR

Founded in 2016 and headquartered in Houston, Texas, SEG Solar is a U.S. manufacturer with a fully integrated supply chain that is internationally recognized for producing high-quality solar modules. SEG Solar is dedicated to delivering reliable and cost-effective solar panels globally to utility, commercial, and residential markets. SEG Solar has been honored as a Top Performer by PVEL for four consecutive years, earned a Silver Medal in the EcoVadis CSR rating, and is ranked as one of the Top 10 Solar Panel Brands serving the U.S. market by SolarReviews, and has been awarded the Top Innovation Modules by EUPD.

With a module production capacity of over 6GW, SEG Solar operates several global manufacturing bases strategically located in the USA and Indonesia. This underscores our commitment to strengthening the global photovoltaic industry’s supply chain and promoting energy independence. By the end of 2024, SEG Solar had shipped over 6GW of solar modules worldwide.

3 MANUFACTURING BASES

US, Indonesia(Batam), Indonesia(Batang)

6GW+

Global Cumulative
Module Shipments

6GW

Module Capacity

5GW

Cell Capacity

HONORS LIST



COMPANY MILESTONES

2016

Founded in California



2022

2GW Module Shipments to US and Europe
Kiwa PVEL Top Performer
YUKON N Series



2017-2021

Spain Office
60MW Project in Florida, USA
Indonesia Factory
ZION Series



2023

BNEF Tier 1 List
EcoVadis Silver Medal
Kiwa PVEL Top Performer
Houston Global HQ
Singapore Office
ALPINE Series



2024

Indonesia PV Industrial Park
2GW Module Factory in Houston
First N-Type Module Shipment
TOP Solar Panel Brand
VERY GOOD in PV Magazine
Kiwa PVEL Top Performer
220MW Project in Oregon, USA
ALPINE N Series



2025

BNEF Tier 1 List
Kiwa PVEL Top Performer
VERY GOOD in PV Magazine
Top Solar Panel Brand
5GW Cell Factory in Indonesia
Top Innovation Modules by EUPD
Houston Factory Certified
ISO 9001, ISO 14001, ISO 45001



GLOBAL LAYOUT



5 GLOBAL OFFICES

3 MANUFACTURING BASES

GLOBAL PARTNERS

Your Loyal and Trustworthy
Business Partner

50+
Financial Partners

100+
Business Partners





World-Class Manufacturing

Our advanced manufacturing facilities and dedicated R&D team ensure that our modules are at the forefront of technology.



PRODUCTION LINE

100%

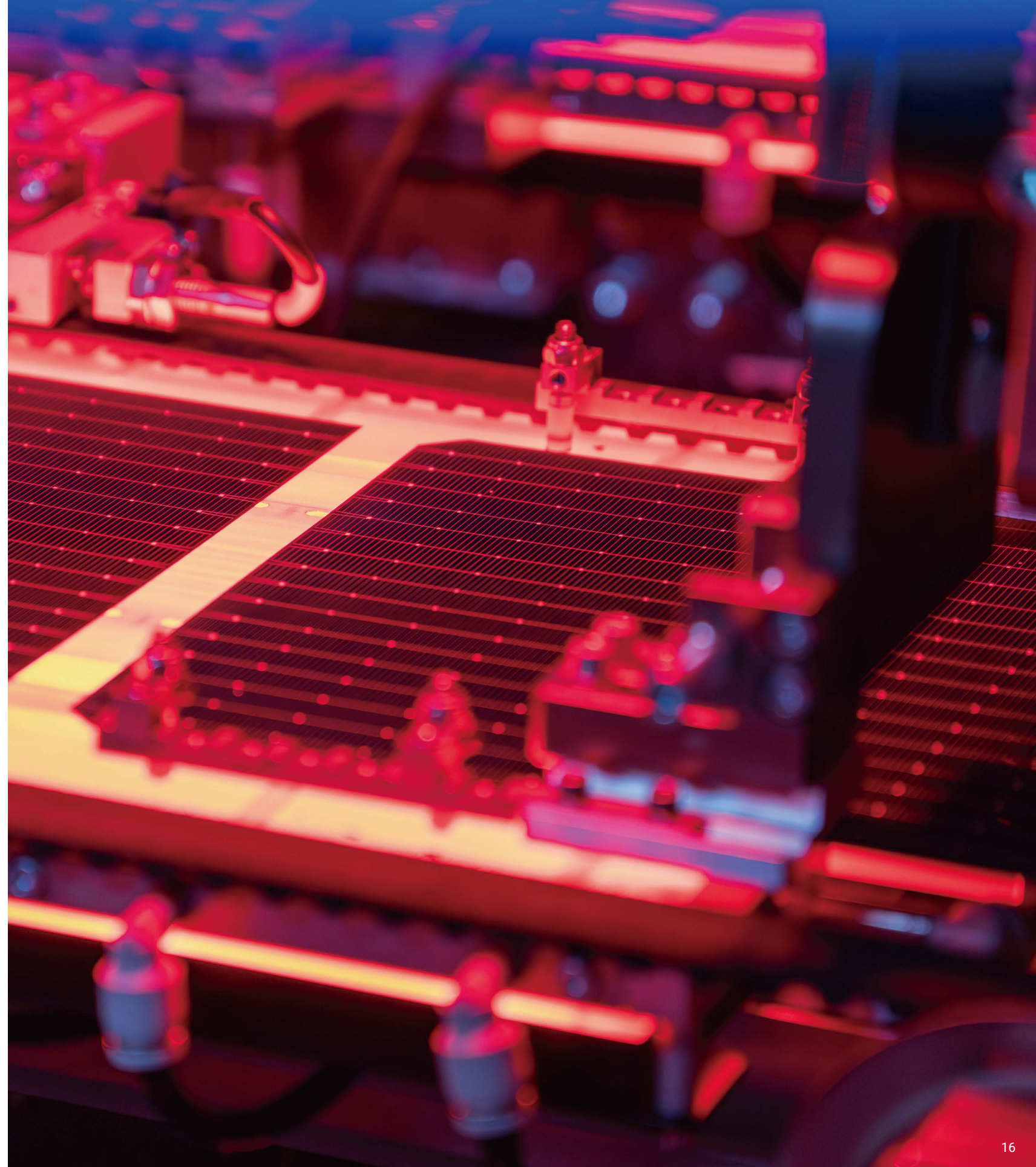
Automation production line from loading the glass, string solar cell, function test to end product.

The Best

SEG Solar operates the world's fastest stringers, largest laminator, most extensive curing line, largest single sorting machine, and latest testing equipment.

20BB

Capable to produce 166mm, 182mm and 210mm solar cell and with max of 20 BusBar.





GLOBAL R&D CENTER

Innovation Driven

SEG is establishing a cutting-edge R&D and Testing Center in the USA, equipped with over 20 advanced devices. This state-of-the-art facility will ensure the production of top-quality photovoltaic products and drive technological innovation. With plans for continuous expansion and upgrades, SEG aims to create the most comprehensive and advanced R&D testing hub in North America, solidifying our position as a global leader in the photovoltaic industry.

- LID Test
- Wet Leakage Current Test
- Insulation Test
- Peel Test
- Cross-Linking Test
- Damp Heat Test
- Thermal Cycling Test
- Humidity Freeze Test
- PID Test
- LeTID Test



INTELLIGENT MANUFACTURING MANAGEMENT

ORACLE NETSUITE ERP & HULI MES SYSTEM

This system ensures robust quality assurance and traceability for module production through seamless integration. It enables real-time monitoring, automatic data collection, and anomaly detection during production. Furthermore, it provides detailed records and traceability for the entire production lifecycle, from raw materials to finished products.

AUTOMATION
INTELLIGENCE
INFORMATION

QUALITY MANAGEMENT

- **Quality System Management**

ISO9001 ISO14001 ISO45001

- **Whole Process Quality Control**

Strict Incoming-material
Inspection Standards

100%
Batch Inspection

300+
Quality Inspection Procedures

4X100%
EL Testing

OBA
Open Box Audit Test

- **Extended Warranty Commitment**

15-30YEARS
Product Warranty

25-30YEARS
Performance Warranty



Authoritative Certification and Testing



CUSTOMER SERVICE

Local Service and Quick Response

- USA Based Company
- Life-Cycle Services
- Low Warranty Claim Rate

SEG has a rapid response system to solve any customer pre-sales and after-sales concerns in a timely and efficient manner, and the local office provides multi-dimensional professional support.



Marketing
Support



Technology
Support

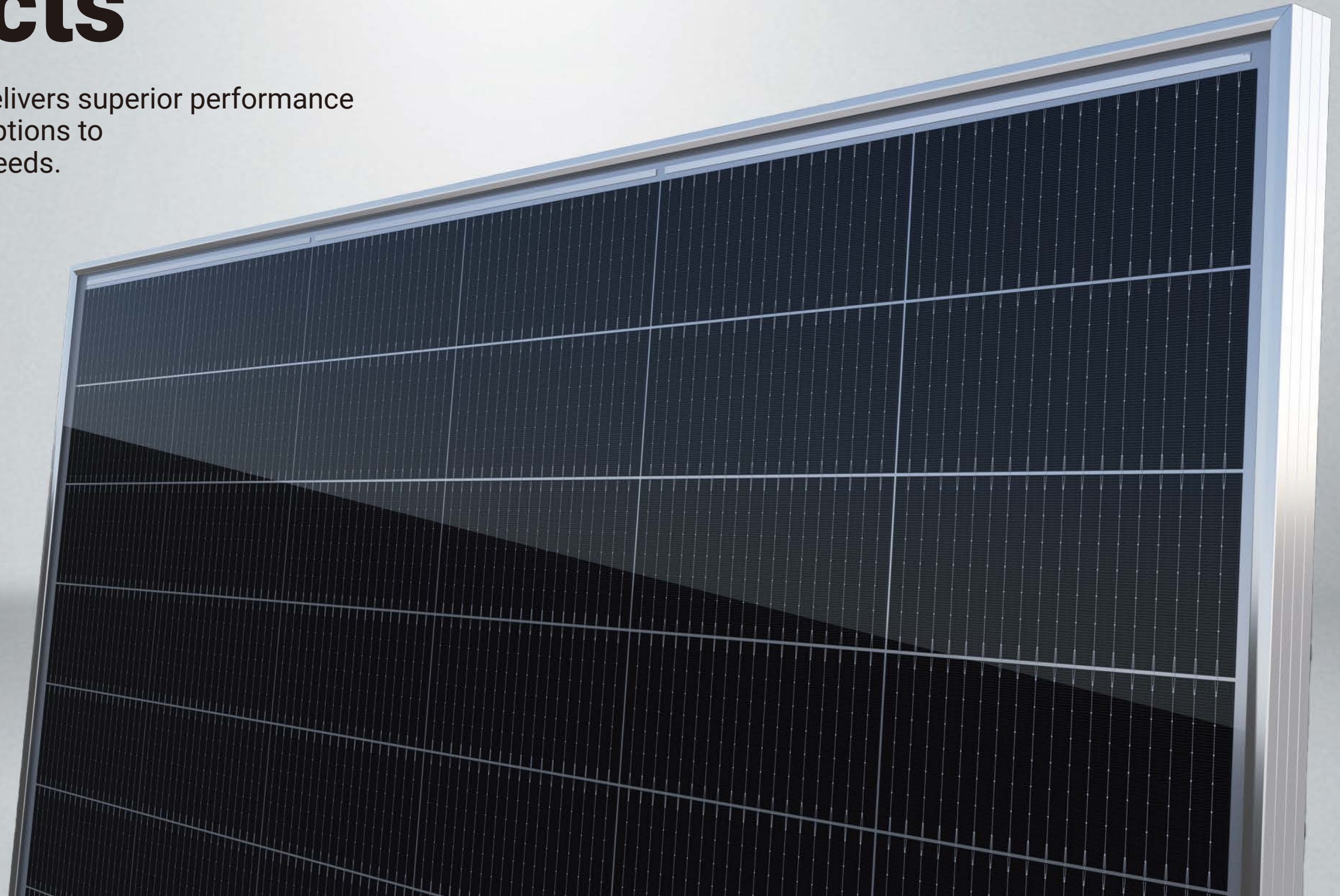


Financing
Consultation



Our Innovative Products

Our N-type modules delivers superior performance with a wide range of options to meet unique energy needs.



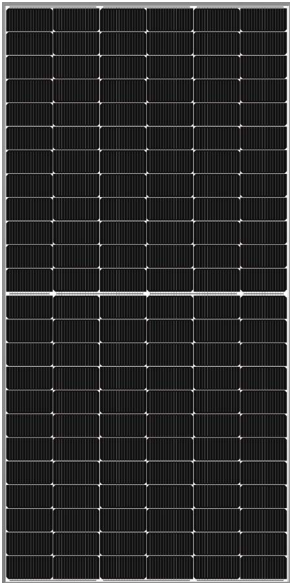
PRODUCT SERIES

YUKON N SERIES

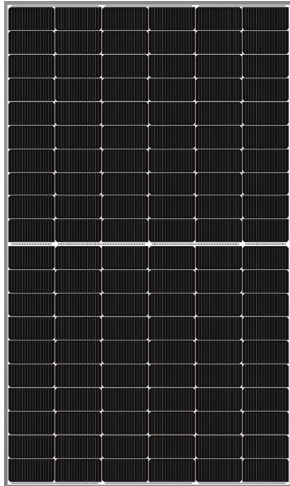
Advanced N-Type PV Module

600W
Max Power

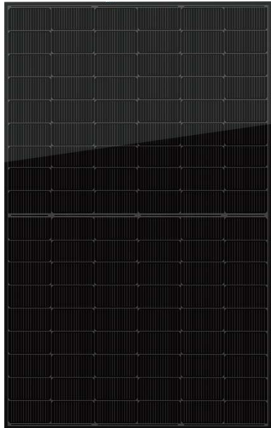
23.23%
Max Efficiency



BIFACIAL Series
SEG-(585-600)-BTA



BIFACIAL Series
SEG-(485-500)-BTB



BLACK DIAMOND Series
SEG-(435-450)-BTD



PRODUCT SERIES

YUKON SERIES

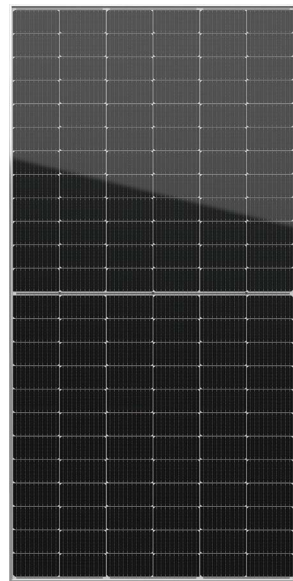
Efficient and Reliable

560W

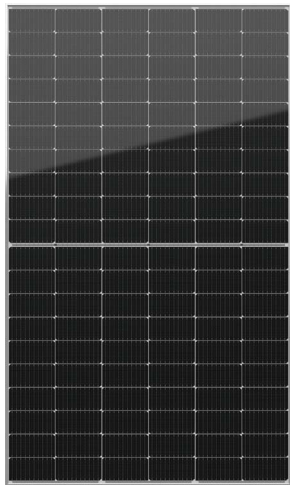
Max Power

21.68%

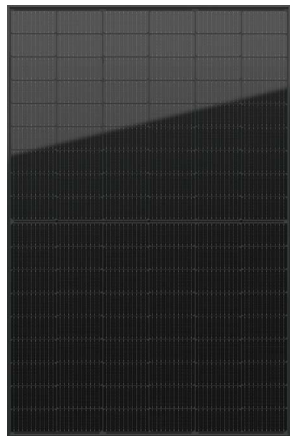
Max Efficiency



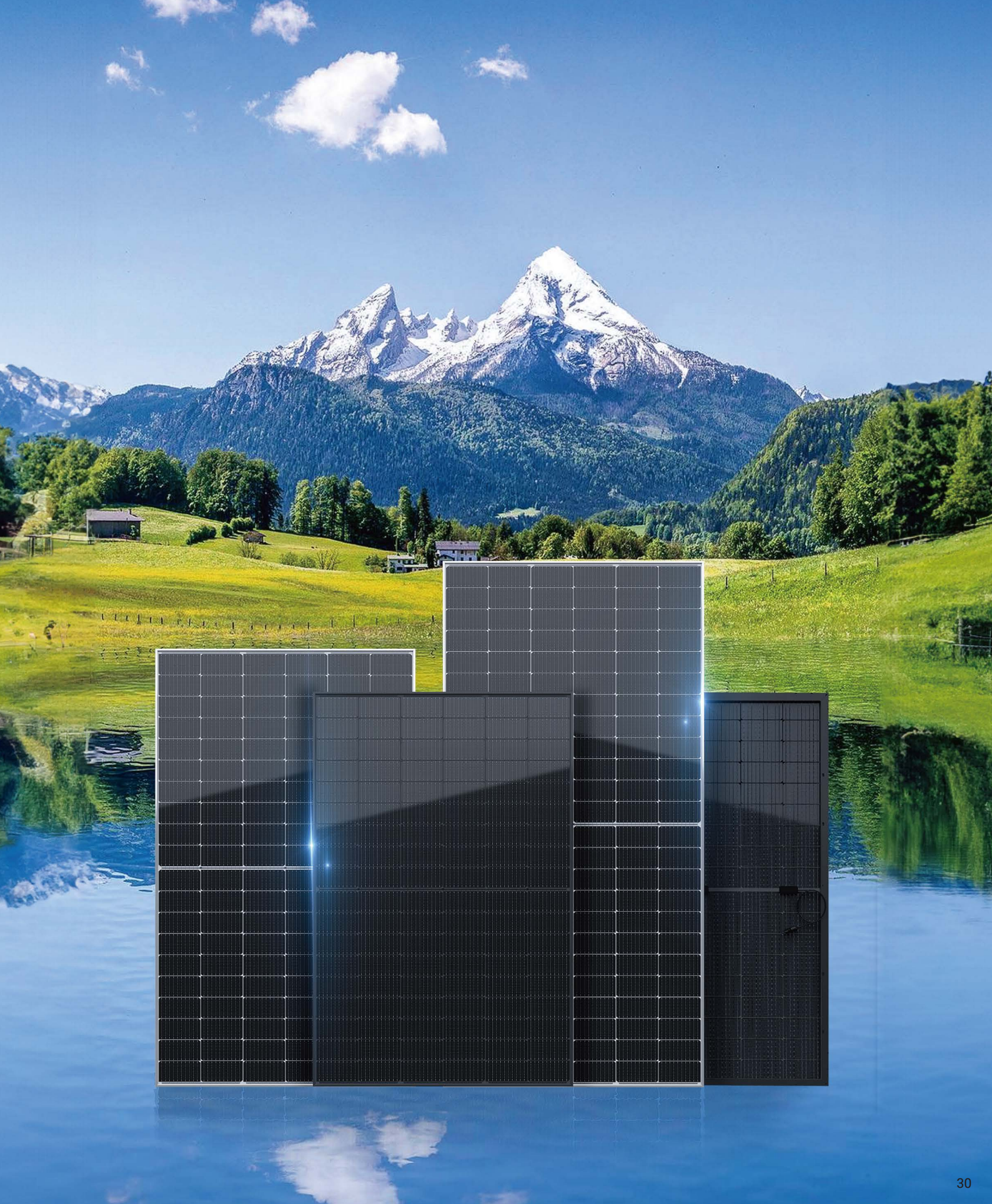
BIFACIAL Series
SEG-(540-560)-BMA



TRANSPARENT BACKSHEET Series
SEG-(445-460)-BMB



BLACK DIAMOND Series
SEG-(400-415)-BMD



PRODUCT SERIES

ALPINE N SERIES

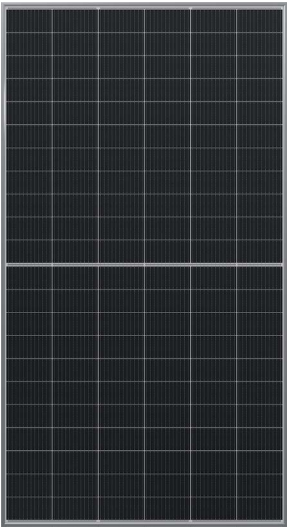
Aiming for the Lowest LCOE

720W

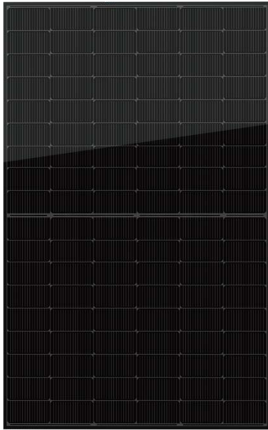
Max Power

23.18%

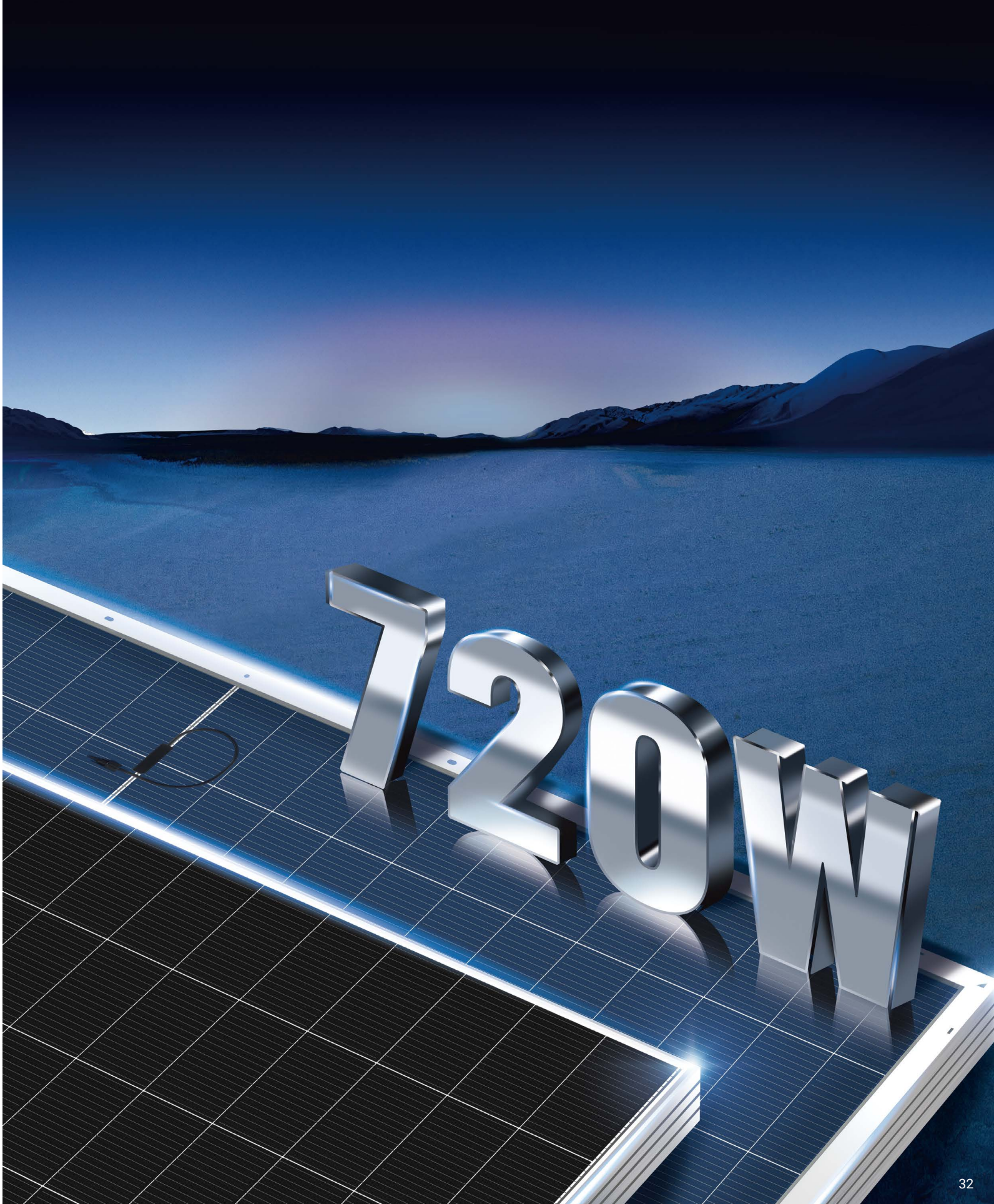
Max Efficiency



BIFACIAL Series
SEG-(600-630)-BTC
SEG-(695-720)-BTC



BLACK DIAMOND Series
SEG-(434-450)-BTE
SEG-(495-510)-BTD



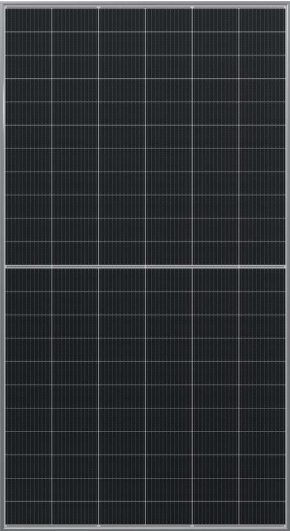
PRODUCT SERIES

ALPINE SERIES

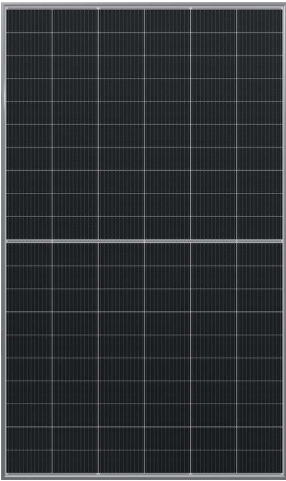
Larger for Higher Goals

670W
Max Power

21.57%
Max Efficiency



BIFACIAL Series
SEG-(595-610)-BMB
SEG-(655-670)-BMC



MONOFACIAL Series
SEG-(595-610)-BMB
SEG-(655-670)-BMC



PERC



Half Cut
Technology



MBB



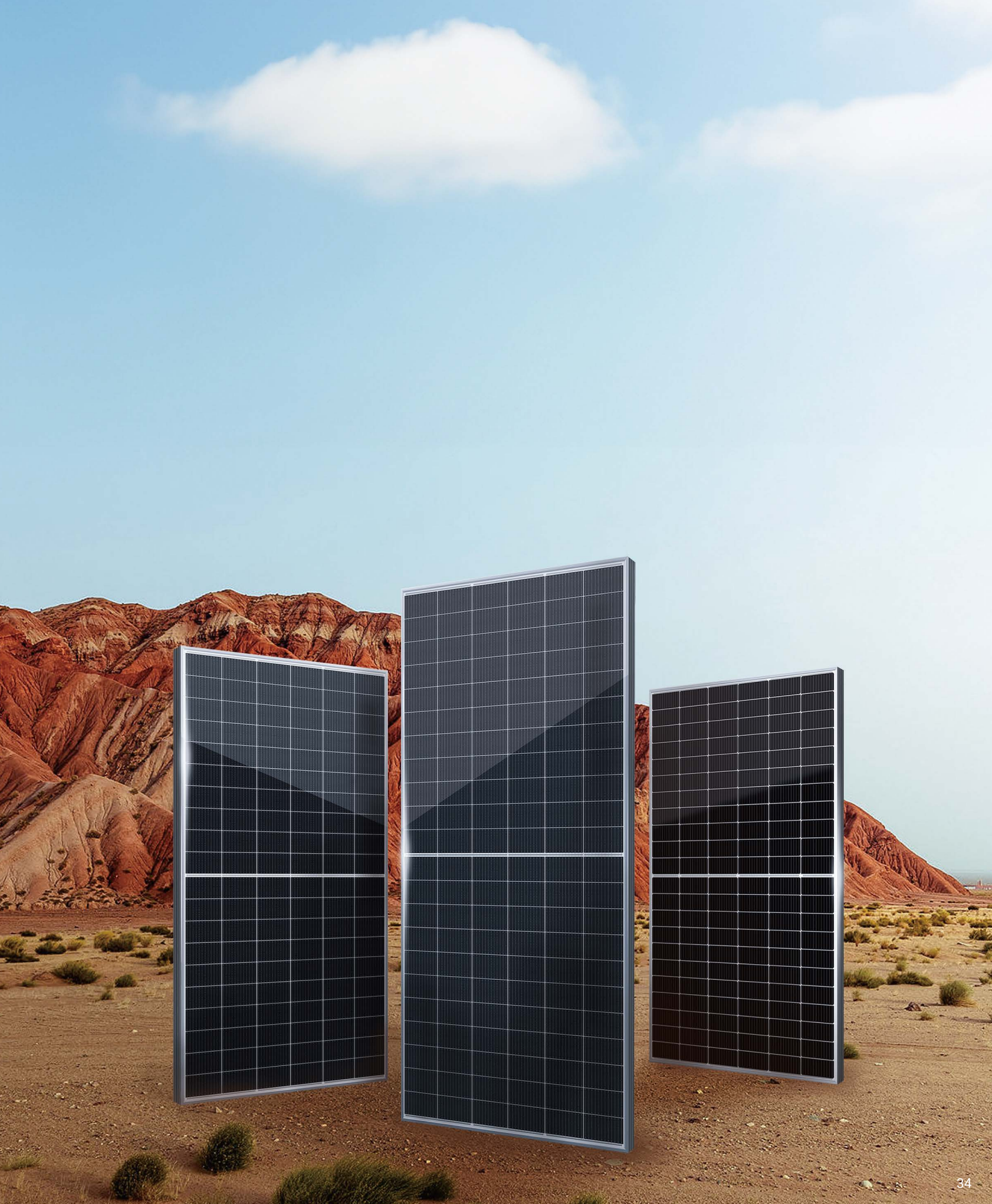
Prime Models
120/132



25-30 Year
Performance Warranty



15 Year
Product Warranty



Sustainable Solutions For All

SEG's high-efficiency modules offer versatile solutions for diverse applications, powering communities across the world.





REPRESENTATIVE PROJECTS

Sharing Our Leaps Forwards
On A Green Future

- **Utility**
- **C&I**
- **Residential**



REPRESENTATIVE PROJECTS

220.00MW

 *Oregon, USA*

 *Utility*

REPRESENTATIVE PROJECTS



60.00MW

📍 *Florida, USA*
⚡ *Utility*



23.84MW

📍 *Pennsylvania, USA*
⚡ *Utility*



14.20MW

📍 *Oregon, USA*
⚡ *Utility*



14.10MW

📍 *Oregon, USA*
⚡ *Utility*

REPRESENTATIVE PROJECTS



REPRESENTATIVE PROJECTS



REPRESENTATIVE PROJECTS



Shine For Everyone

SEG has successfully managed to consistently decrease its environmental footprint.



RESPONSIBLE SOLAR

Empowering communities, fostering economic growth, and paving the way for a greener, brighter future.

Social Responsibility

- 2021 **158.55 acres** land conservation in Marion County, Tennessee
- 2022 **193.82 acres** land conservation in Chester County, South Carolina



SILVER
2023
ecovadis
Sustainability
Rating

GLOBAL
MEMBERSHIP



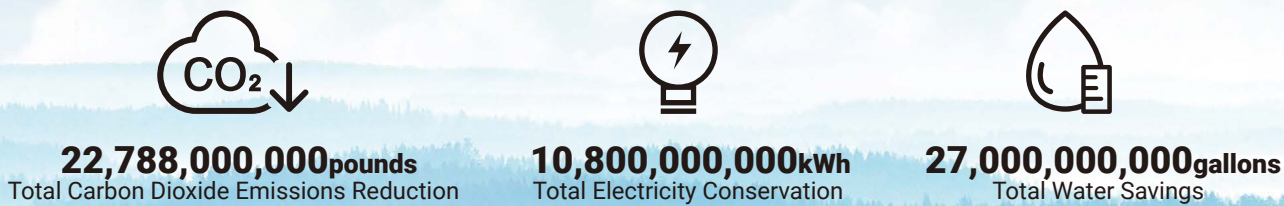
PV CYCLE

GREEN
FACTORY



SA8000

Low-Carbon Efforts*



*With reference to PV module shipments data up to 2024.

RESPONSIBLE SOLAR

By partnering with our community, we amplify the impact of solar power, inspiring more people to embrace a sustainable lifestyle.

Sponsor Educational Activities For Youth

- USA Badminton Association (ABC)
- Community Youth FTC Robotics Team
- Copeland Elementary's Bubble Run
- Diamond Dreams 8U Softball Team
- Annual Smith Middle School Color Run
- Cypress United High School Lacrosse Club

Community Development

- APAPA National Unity Awards Gala (2022-2023)
- 10kW Solar Panel Donation for Refuge for Women of North Texas
- US Pan Asian American Chamber of Commerce Education Foundation (USPAACC) Certification

Local Government

- Houston Northwest Chamber of Commerce



Multicultural & Employee Empowerment

- **100+**
Hours training per employee
- **43.3%**
Female employees percentage
- **1000+**
Local job opportunities provided
- **5000+**
Direct and indirect global job opportunities provided

*Data by December, 2024

