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

[www.segsolar.com](http://www.segsolar.com)





# Solar. Energy. Generation.

## **LEADING THE US MODULE REVOLUTION**

### **VISION**

Dedicated to moving towards a decarbonized future, enabling the fight against climate change, safeguarding our ecological environment, and ensuring a sustainable tomorrow 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.

# ABOUT SEG SOLAR

Founded in 2016 and headquartered in Houston, Texas, SEG Solar is an internationally recognized Tier 1 US manufacturer with a fully integrated supply chain for the production of high-quality solar modules.

The company validates its product performance through independent third party testing and is accredited for social responsibility and legal compliance from trusted third party agencies. SEG Solar is dedicated to delivering reliable and cost-effective solar panels to the utility, commercial, and residential markets.

SEG Solar serves global customers with high-quality products and professional services, expanding its global capacity to over 5.5GW and cell capacity to 2GW in 2024. By the end of 2022, more than 2GW of SEG Solar products were installed in the US and European markets.

## TIER 1

PV Module Manufacturer Listed by BNEF

## TOP PERFORMER

2 Consecutive Years Awarded by PVEL

## 4 MANUFACTURING BASES

US, Indonesia, Thailand, China

**5.5GW+**

Module Capacity (by the end of 2024)

**2GW**

Cell Capacity (by the end of 2024)

**2GW**

Module Shipments to America and Europe  
(by the end of 2022)

**100+**

Business Partners

**50+**

Financial Partners

**50+**

Delivery Destinations

# COMPANY MILESTONES

Founded in California

**2016**



Zion Series

**2018**



60MW Project  
in Florida, US

**2020**



**2019**

SEG Solar Spain Office Established



**2021**

SEG Solar  
China Office  
Established



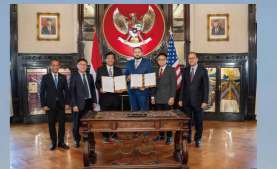
PVEL Top Performer  
Black Diamond Series  
2GW Module Shipments to US and Europe  
ETL Certification

**2022**



Set Up Central Java,  
Indonesia, 2GW Cell  
Manufacturing Factory

**2024**



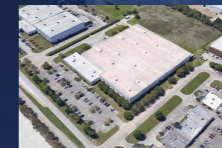
**2017**

Vietnam Factory  
Cambodia Factory  
TUV Certification  
SUD Certification  
CEC Certification  
CSA Certification



**2023**

Acquired Houston,  
Texas, 2GW Module  
Manufacturing Factory  
SEG Solar Established  
Its Headquarters in Houston, Texas



# GLOBAL LAYOUT

**US Sales Center**  
California, US



**SEG Headquarters & Manufacturing Base**  
Houston, Texas, US



**Spain Sales Center**  
Madrid, Spain



**Thailand Manufacturing Base**  
Samut Prakarn, Thailand



**Singapore Operation Center**  
2 Venture Drive, Singapore



**SEG China R&D Center**  
Nanjing, China



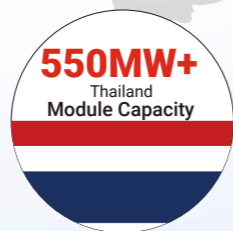
**China Manufacturing Base**  
Anhui, China



**Indonesia Manufacturing Base**  
Central Java, Indonesia



## 4 MANUFACTURING BASES



# GLOBAL PARTNERS

Your Loyal and Trustworthy Business Partner

50+ Financial Partners

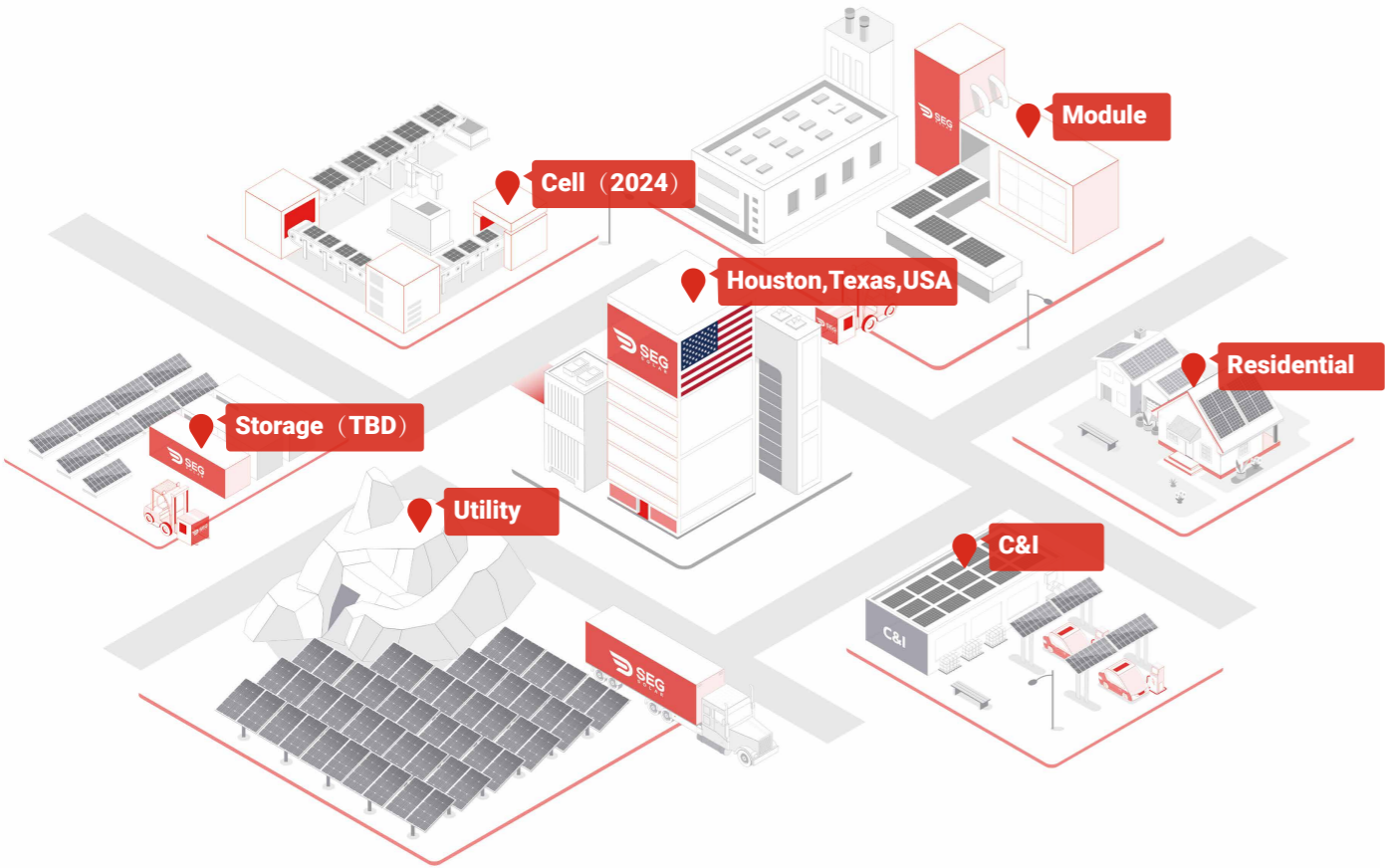


100+ Business Partners



# VERTICAL SUPPLY CHAIN INTEGRATION

With Zero Tolerance for Forced Labor



## Seamless Collaboration in BOM

SEG Solar is dedicated to delivering high quality products while at the same time supporting local industries and community economic growth. We prioritize the use of local resources to ensure exceptional standards of excellence.





# INNOVATION DRIVEN

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Digital And Traceable

## R&D Center

SEG is constructing its state-of-the-art R&D and Testing Center, which will be outfitted with advanced equipment, ensuring the production of top-quality photovoltaic products. This facility will significantly bolster our technological innovation capabilities, propelling our products towards excellence.





# INTELLIGENT MANUFACTURING

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Automation  
Intelligence  
Information

## Intelligent Production Base

With its cutting-edge intelligent production base, SEG's production line will be equipped with advanced technologies, including intelligent handling systems and industrial robots, facilitating fully automated production. This integration of automation and smart technology enables high-precision production and manufacturing processes, while also significantly enhancing product manufacturing efficiency.

# QUALITY MANAGEMENT

- **Quality System Management**

ISO9001 ISO14001 ISO45001

- **Whole Process Quality Control**

Comprehensive  
Quality Inspection Procedures

3X100%  
EL Testing

- **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



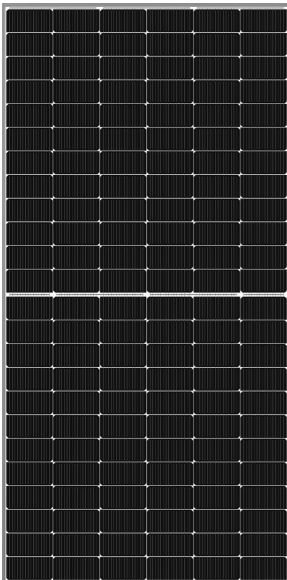
# PRODUCT SERIES

## YUKON N SERIES

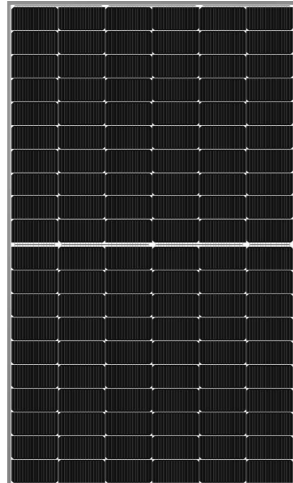
Dive into the Peak Efficiency

**580W**  
Max Power

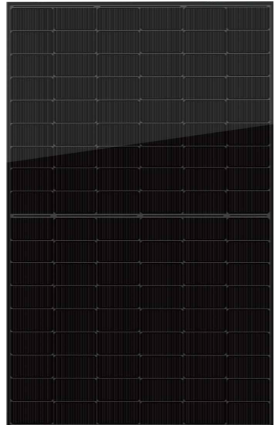
**22.45%**  
Max Efficiency



**BIFACIAL** Series  
SEG-(565-580)-BTA



**BIFACIAL** Series  
SEG-(465-480)-BTB



**BLACK DIAMOND** Series  
SEG-(415-430)-BTD

 **182**  
TOPCon

 **Half Cut**  
Technology

 **SMBB**

 **Prime Models**  
108/120/144

 **30 Year**  
Performance Warranty

 **15-30 Year**  
Product Warranty



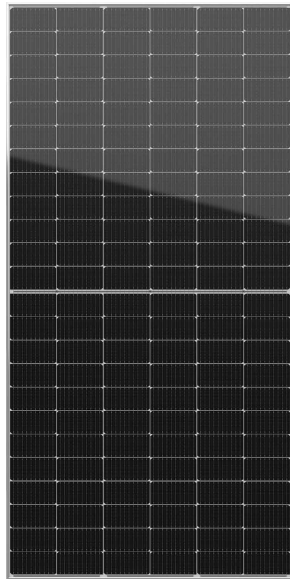
# PRODUCT SERIES

## YUKON SERIES

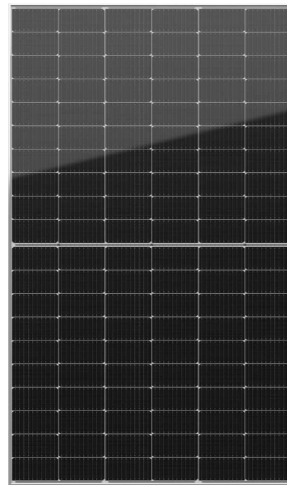
Harness the Untamed Power of Strength and Durability

**555W**  
Max Power

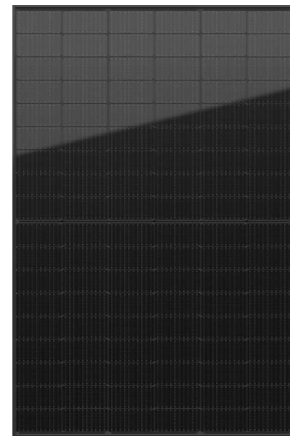
**21.48%**  
Max Efficiency



**BIFACIAL** Series  
SEG-(540-555)-BMA



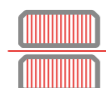
**TRANSPARENT  
BACKSHEET** Series  
SEG-(445-460)-BMB



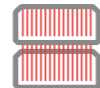
**BLACK  
DIAMOND** Series  
SEG-(400-415)-BMD



**182**  
PERC



**Half Cut**  
Technology



**MBB**



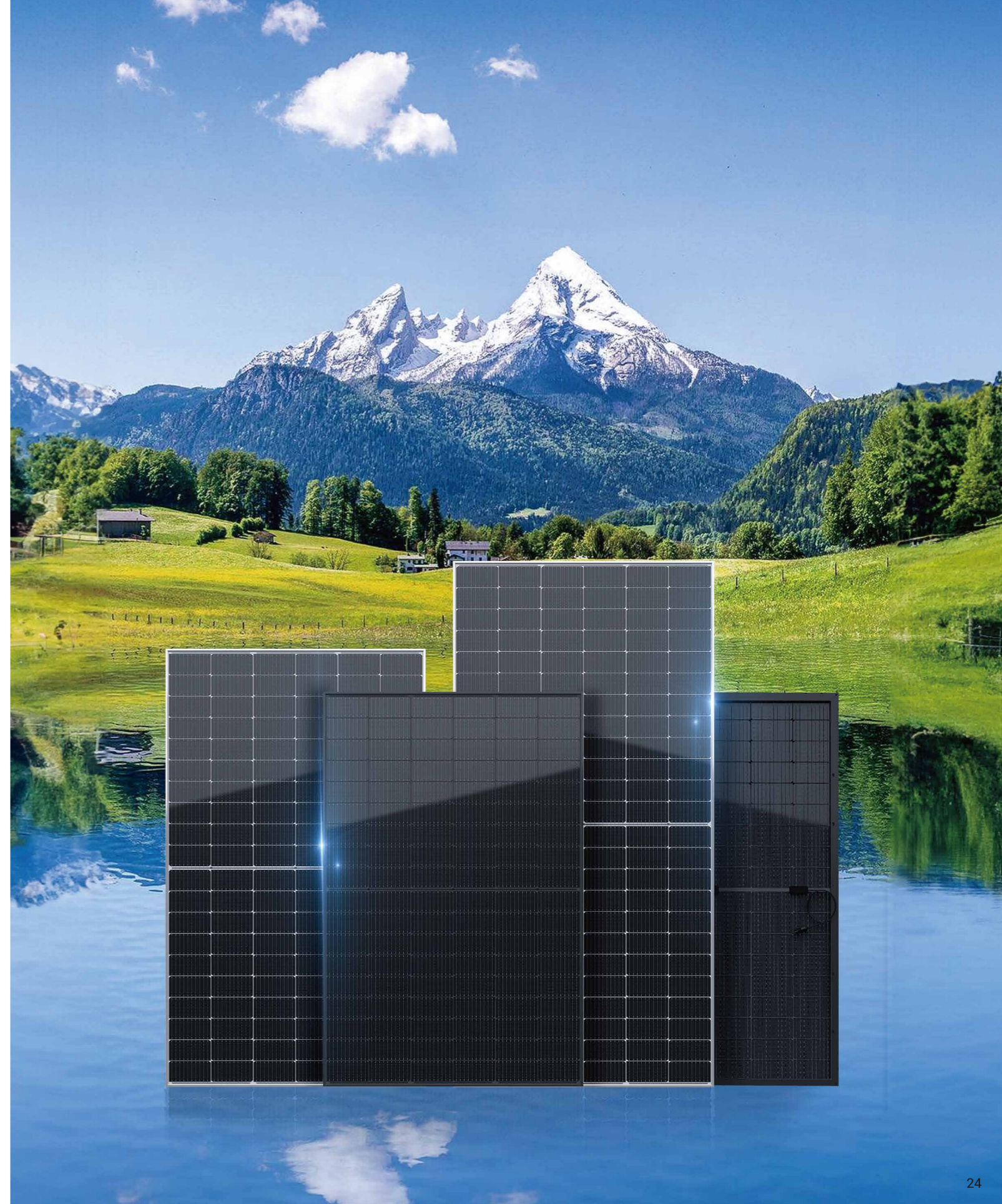
**Prime Models**  
108/120/144



**25-30 Year**  
Performance Warranty



**15-30 Year**  
Product Warranty



# PRODUCT SERIES

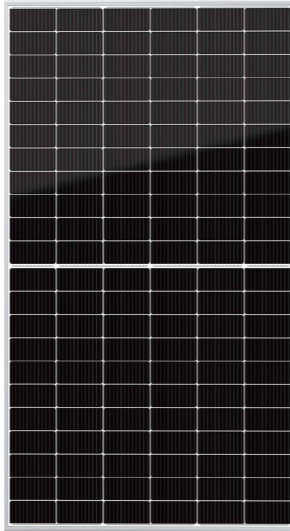
## ALPINE SERIES

Ride the Wave of Potential

**675W** | **21.73%**  
Max Power | Max Efficiency



**BIFACIAL** Series  
SEG-(660-675)-BMC



**TRANSPARENT BACKSHEET** Series  
SEG-(660-675)-BMC



**MONOFACIAL** Series  
SEG-(595-610)-BMB



**210**  
PERC



**Half Cut**  
Technology



**MBB**



**Prime Models**  
120/132



**25-30 Year**  
Performance Warranty



**15 Year**  
Product Warranty





## REPRESENTATIVE PROJECTS

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Sharing Our Leaps Forwards  
On A Green Future

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

# REPRESENTATIVE PROJECTS



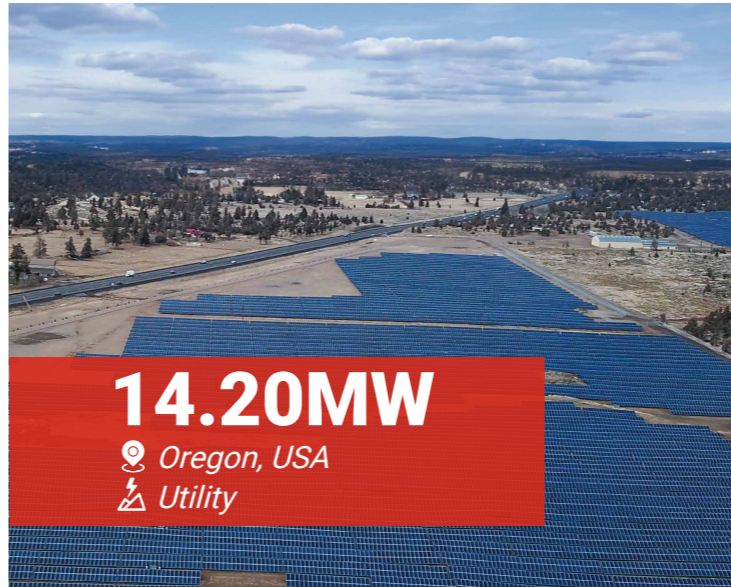
**60.00MW**

📍 Florida, USA  
⚡ Utility



**23.84MW**

📍 Pennsylvania, USA  
⚡ Utility



**14.20MW**

📍 Oregon, USA  
⚡ Utility



**14.10MW**

📍 Oregon, USA  
⚡ Utility



# REPRESENTATIVE PROJECTS



**7.00MW**

📍 Florida, USA  
⚡ Utility



**6.51MW**

📍 Maine, USA  
⚡ Utility



**5.84MW**

📍 Maine, USA  
⚡ Utility



**7.40MW**

📍 New Jersey, USA  
⚡ Utility

# REPRESENTATIVE PROJECTS



# REPRESENTATIVE PROJECTS



**1.20MW**

📍 *Jiangsu, China*  
🏢 *C&I*



**45kW**

📍 *Kansas, USA*  
🏠 *Residential*



**35kW**

📍 *Kansas, USA*  
🏠 *Residential*



**15kW**

📍 *Kansas, USA*  
🏠 *Residential*

# 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

GLOBAL  
MEMBERSHIP



GREEN  
FACTORY



SA8000

## Low-Carbon Efforts\*



**2,234,304,000 pounds**  
Total Carbon Dioxide Emissions Reduction



**2,670,000,000 gallons**  
Total Water Savings



**1,696,000,000 kWh**  
Total Electricity Conservation

\*With reference to PV module shipments data up to 2022.

# RESPONSIBLE SOLAR

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

## Sponsor Educational Activities For Youth

Together with the USA Badminton Association (ABC) Support community youth FTC robotics team



## Multicultural & Employee Empowerment

- **100+** Hours training per employee
- **46.1%** Female employees percentage
- **1000+** Local job opportunities provided
- **5,000+** Direct and indirect global job opportunities provided

