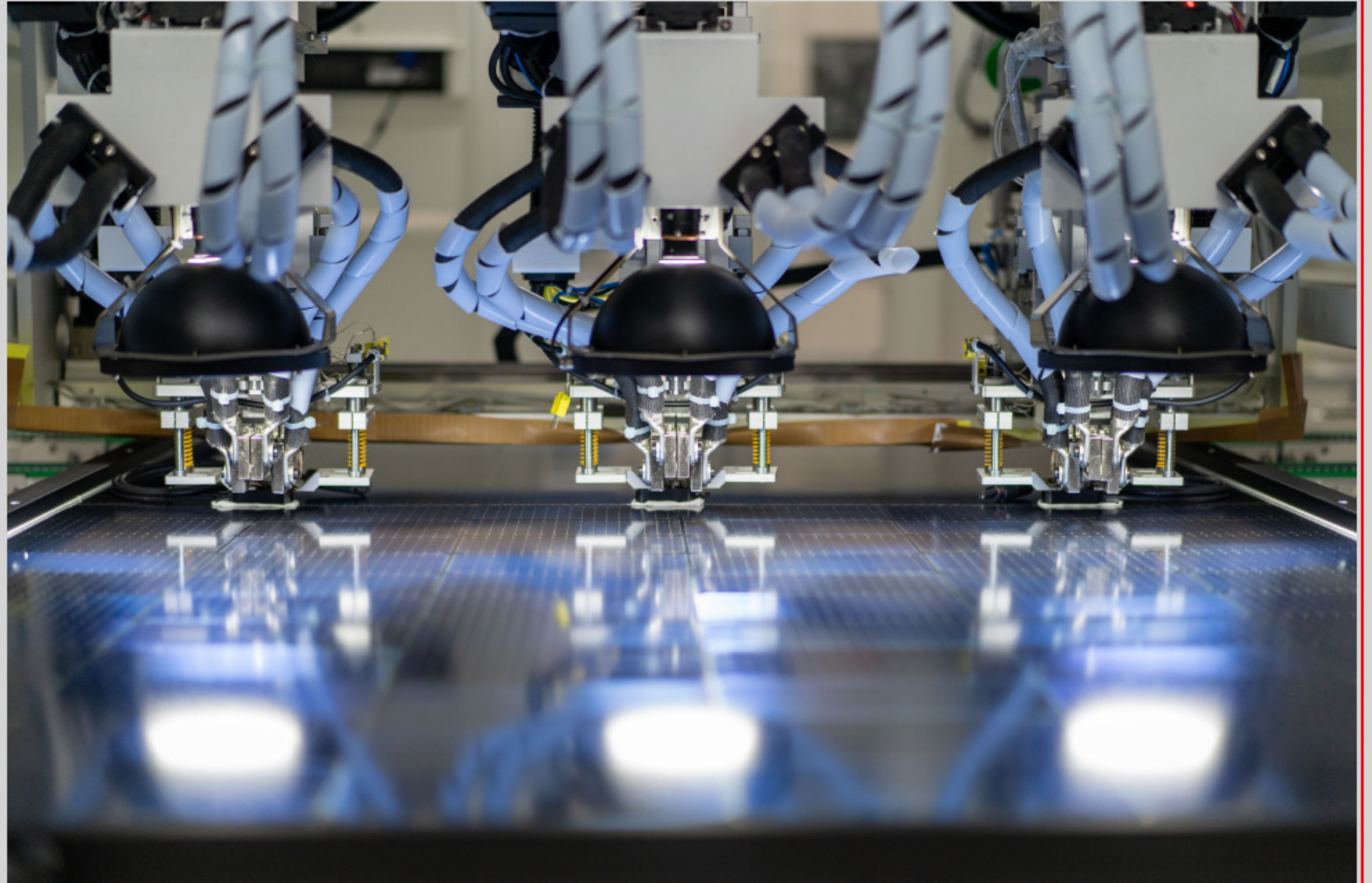


Tier 1
BloombergNEF

COMPANY PRESENTATION



LUXEN.

EXPERIENCE A COMMITTED PARTNER.





The Mission

90+

regions supplied

6GW

deliveries worldwide

462M

our supply equals to
planting 462 M trees.

8.7M tons

of carbon reduction and
counting

Inspired by nature, we envision a world powered by the sun, where solar panels are not just a choice but a standard. We wish to make clean energy solutions accessible to everyone and transform the way we live, work, and thrive.

From its beginnings, Luxen has been in pursuit of knowledge to engineer efficient solar panels all the while ensuring their accessibility to a broad audience. To this end, we developed advanced, reliable, and high-quality products and became a trusted partner to many clients.

Through continuous innovation, quality testing, and a customer-centric approach, we aim to empower individuals, communities and businesses to embrace a global transition to clean energy.



Global Presence


Luxen's presence in
over 90 regions
worldwide

Operational HQ:
Vienna (Austria)

Sales Center:
Murcia (Spain)

Sales Center:
Kjelce (Poland)

Sales Center:
Sao Paulo (Brazil)





Snapshot of Luxen



Up to 20 years product warranty

Luxen stands for a well-established **Tier 1** manufacturer by BloombergNEF. We are stable company producing high-quality solar panels in large volumes and with **strong warranties**. Luxen is a trusted choice in the solar market.



Sustainability

With over **6GW deliveries** spanning over **90 regions worldwide**, we proudly showcase our commitment to renewable energy and preserving the environment. We are committed to making clean energy accessible to all people.



Globalisation

Luxen has a strong international presence and a long track record in the industry. In 2023, Luxen solidified its global presence by establishing **operational headquarters in Vienna, Austria**.



Nearly 20 years in the industry

In nearly two decades, we've cultivated a deep understanding of solar technologies, trends, and advancements, embodied in our latest **N-Series TOPCon technology** products.



500+ employees

Since its establishment in **2005**, Luxen has maintained a steady growth trajectory, today employing more than 500 people in China and Europe. Since 2023 Luxen Solar is a **public company**.

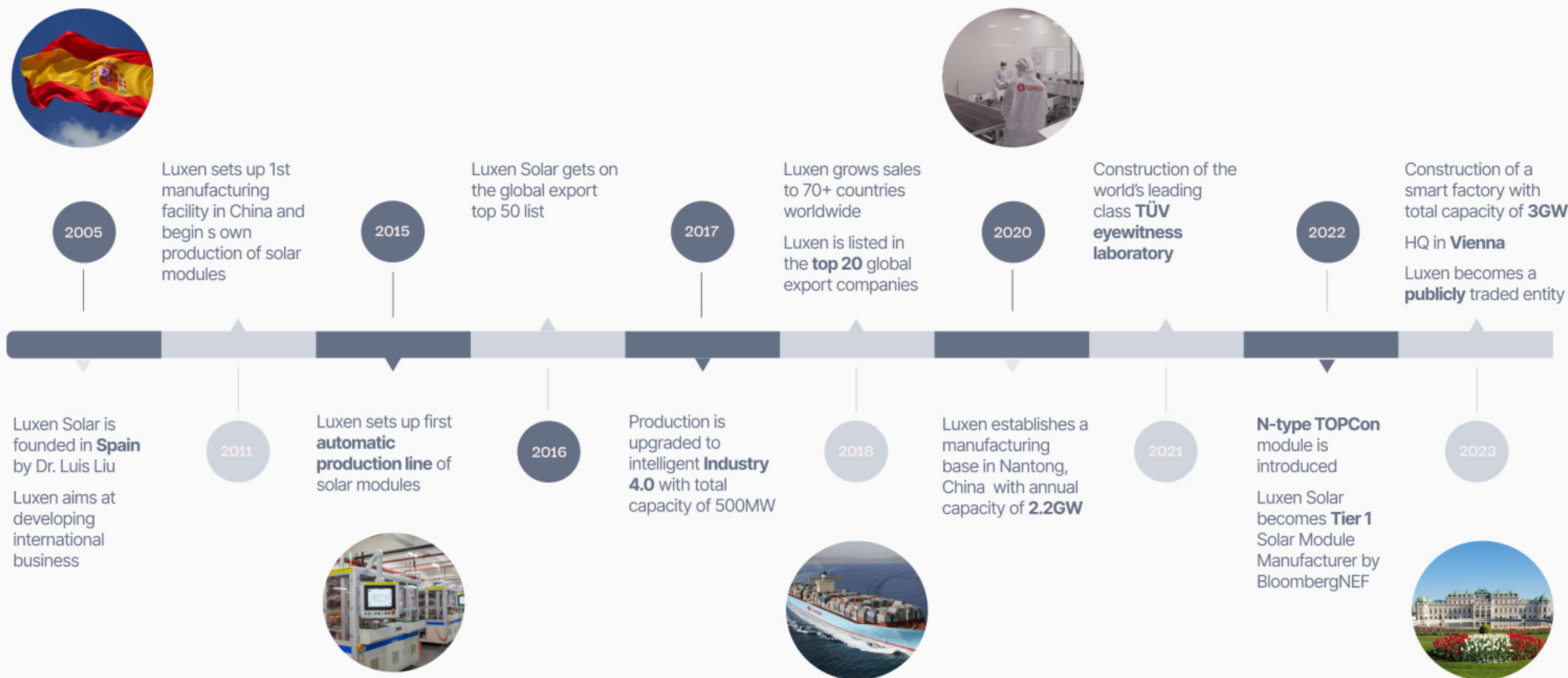


10GW by 2026

From 3GW current capacity, we're actively expanding our capacity to reach **10GW by 2026** in our **4.0 Industry** state of the art production facility. Luxen has **more than 40 patents** in the production technology.



Milestones





Smart Factory



Fully certified 4.0 industry

Sophisticated equipment ensures the most accurate product quality control and eliminates human errors.



Rigorous testing

Advanced testing procedures ensure high performance all year long & long-life span.



24×7 real time monitoring

AI-powered inspections eliminate product defects. Advanced data gathering and analysis facilitate the decision-making.



Artificial intelligence

AI powered inspection eliminates product defects.



Advanced data analysis

Advance intelligent data gathering, and analysis facilitates the decision-making.



40+ patents

Luxen has more 40 patents in the production process.



Certificates

Prestigious third-party certifications are the best proof of LUXEN's solar panel quality. Our solar panels have passed the rigorous certification tests led by TUV accreditation agencies and can meet the highest quality requirements from around the world.

To protect the investment of our clients in solar energy and ensure the 25(30)-year use life, our solar panels are strongly backed by the world-class insurance groups such as CHUBB and PICC to give the maximum quality guaranty to our clients.





N-Series TOPCon Technology

TOPCON technology (**passivated tunnel oxide contact**) increases the efficiency of N-type solar cells, which can reach **28.7%**.

LUXEN TOPCon technology uses glass with a two-layer anti-reflective coating of high transparency, the thickness of the coating is 180 ~ 240 nm. The light transmittance is effectively increased to more than 94.25%, and the bottom layer effectively isolates moisture, thereby effectively increasing the resistance to weather conditions accompanied by high humidity.

Thanks to the application of this new technology, TOPCon solar panels are more efficient, more durable and guarantee greater efficiency throughout the year, as well as throughout the lifetime of the panels.



N-Series TOPCon Technology

TOPCon cells are responsible for **extremely low power losses**, and they reduce PID (Potentially Induced Degradation) and LID (light induced degradation) to a minimum. **First year degradation is only 1%** compared to 2-2.5% with traditional technology.

N-type TOPCon panels have four great advantages: **higher efficiency**, module **bifaciality increases to 85%** compared to mono perc 70%, extremely low temperature coefficient **Pmax - 0.29% /°C** (with bifacial and 0.30% /°C with standard TOPCon) compared to mono perc - 0.35% /°C, and provide **2 hours more electricity production per day**, because the panel produces even in low light conditions.



N-Type TOPCon vs Standard Modules

550 Wp CONVENTIONAL MODULE

Conventional Mono PERC

Bifaciality: 70%

Pmax coefficient:

- 0.35% /°C (bifacial)
- 0.36% /°C (monofacial)

Frame: classic design



580 Wp TOPCon

Luxen N-type TOPCon

Bifaciality: 85%

Pmax coefficient:

- 0.29% /°C (bifacial)
- 0.30% /°C (monofacial)

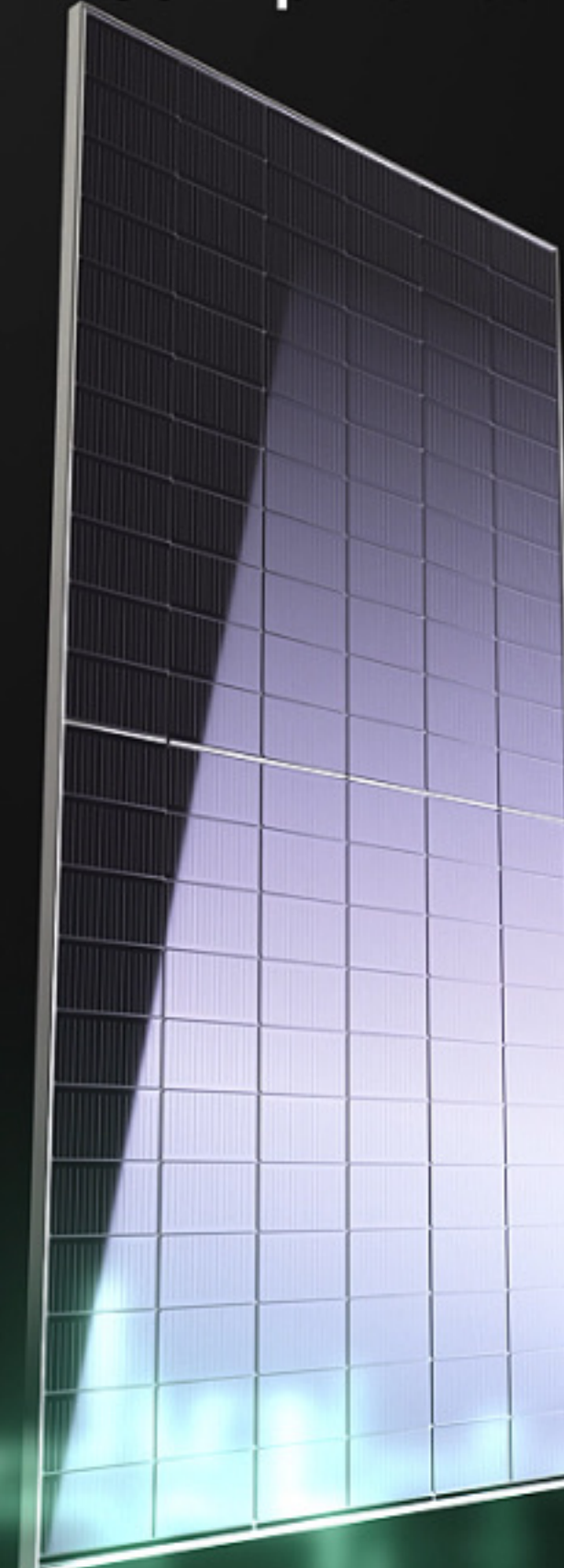
Frame:

special design for bearing higher load

Humidity protection:

Special encapsulant as moisture barrier

2 hours more production in low light conditions in the morning and evening in comparison to mono perc, equals 730 hours of more production each year = 21.900 hours (=912 days =2,5 years) more production after 30 years



Selected references





Main Brand Honors

from over 15 industry acknowledgments



2022

Most influential PV module enterprise

2019

Top 20 South American shipments (customs data and customer satisfaction)



2022

Top 10 distributed PV module brands in China



2020 - 2021

Most Innovative PV module enterprise

2021

Most influential PV module enterprise in distributed PV



2022

Top 10 Influential Brands in China PV Industry



Luxen. Experience a Committed Partner.

Luxen Solar

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