

2024

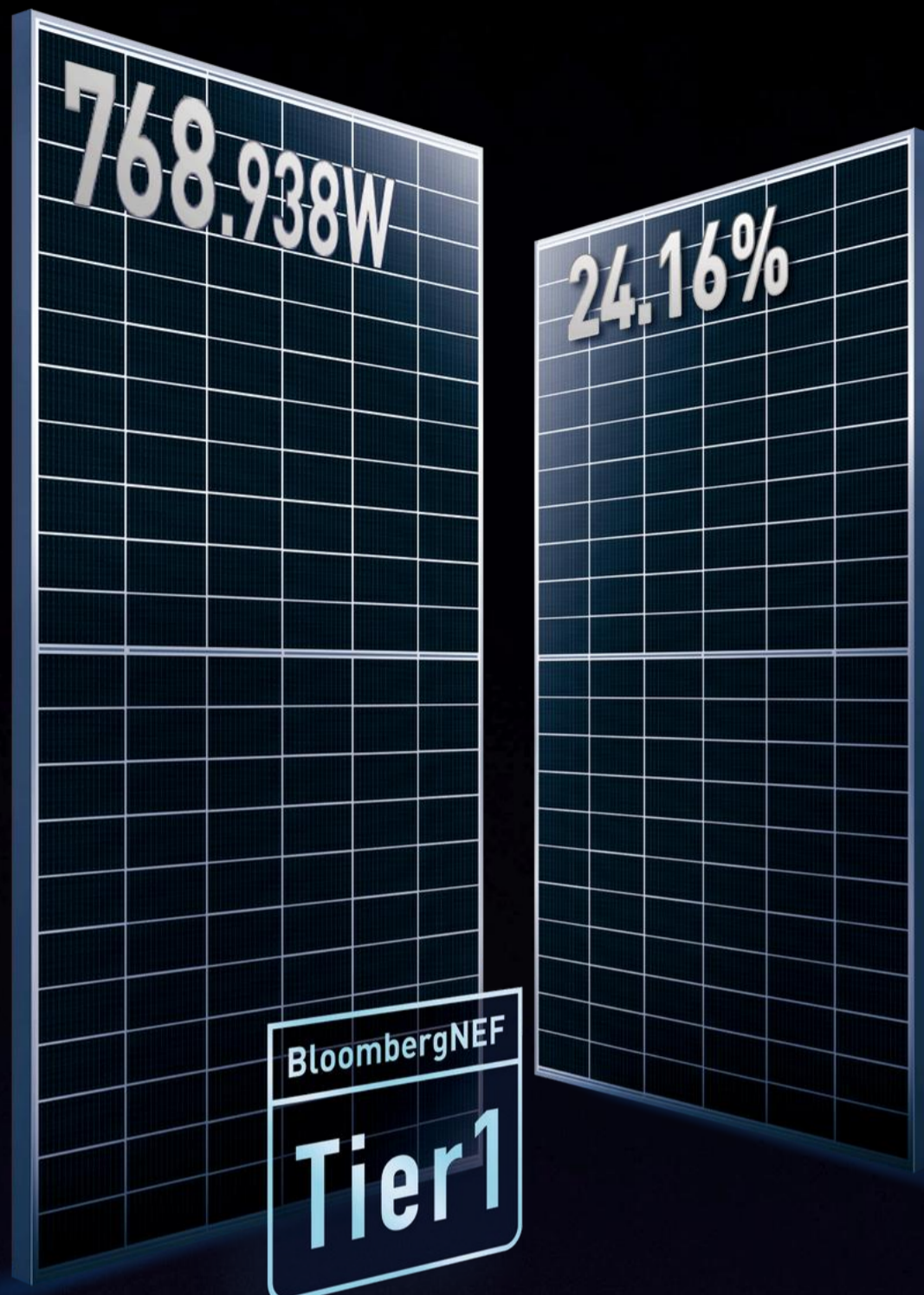
ANNUAL REVIEW

Chapter 4



Secrets of HJT Product Excellence

TECHNOLOGY BREAKTHROUGH



G12-132 HJT solar module

768.938 W

Champion Power

24.75%

Champion Eff.

700-735 W

Mass-production Power

23.70%

Mass-production Eff.



G12 0BB HJT solar cell

26.50%

Champion Eff.

26.15%

Avg. Eff.



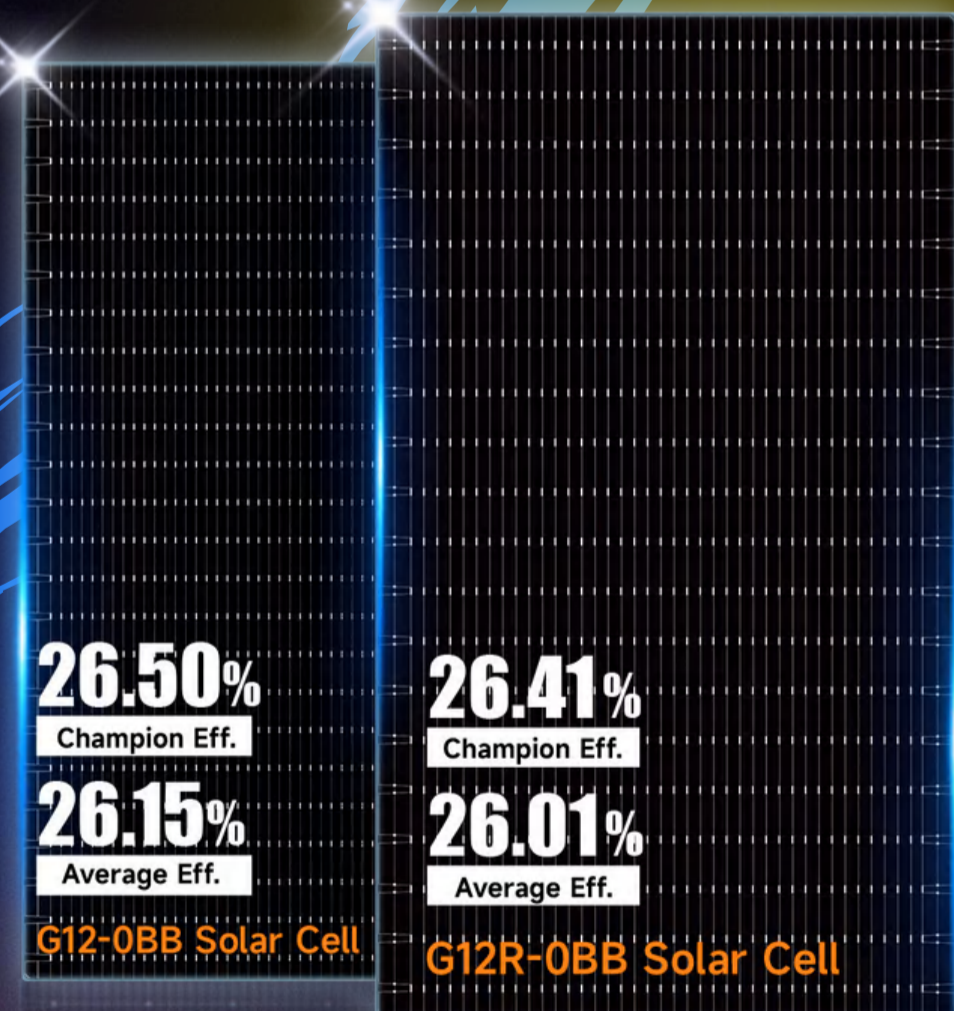
G12R 0BB HJT solar cell

26.41%

Champion Eff.

26.01%

Avg. Eff.



26.50%

Champion Eff.

26.15%

Average Eff.

G12-0BB Solar Cell

26.41%

Champion Eff.

26.01%

Average Eff.

G12R-0BB Solar Cell

In 2024, Huasun has optimized its production processes to further **reduce costs and enhance product efficiency**, setting multiple **new benchmarks** in the HJT solar industry and offering **competitive solutions** for the global energy transition.

Prime Choice For Vertical Installation

- ✓ **Farm**
- ✓ **Rangeland**
- ✓ **Expressway**
- ✓ **Building Facade**

Kunlun Series
G12-132 HJT solar module

Perfect For Offshore PV Projects

- ★ **Superior Reliability**
Against UV, Moisture, Salt-mist, Vibration

Himalaya Series V-Ocean
G12-132 HJT solar module

More Colorful, More Powerful

- ★ **Up To 80% Light Transmittance**
- ★ **Aesthetic Design**

Color Series
G12R-96 HJT solar module

REMARKABLE HONORS



EFFICIENCY

RELIABILITY

SAFETY



Huason HJT modules are being used in several empirical studies across China and have earned international awards for their **efficiency, reliability, and safety**.

By 2024, Huason has secured market access in key international markets, including **India, Japan, the UK, Brazil, and Australia**, positioning itself as a pioneer of HJT technology.



+74 Granted Patents
in 2024

+111 Filed Patents
in 2024

193 Granted Patents
in total

365 Filed Patents
in total



Huasun has comprehensively integrated HJT industry chain, spanning **from silicon ingot and wafer to HJT cell and module.**

Driven by a commitment to innovation, Huasun is advancing HJT technology and accelerating the industrialization of **HJT-perovskite tandem technology**, all with the goal of reducing costs and enhancing product efficiency.



NO.1 IN HETEROJUNCTION



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