



LONGi Solar Product Roadmap

LONGi, the worlds leading supplier of solar products and solutions.

About LONGi

Founded in 2000, LONGi is committed to being the world's leading solar technology company, focusing on customer-driven value creation for full scenario energy transformation.

Under its mission of "Utilizing Solar Energy, Building a Green World" and brand philosophy of "Steadfast and Reliable, Technology Leadership", LONGi has dedicated itself to technology innovation and established five business sectors, covering mono silicon wafers, mono cell and modules, commercial & industrial distributed solar solutions, green energy solutions and hydrogen equipment. The company has honed its capabilities to provide green energy and has, more recently, also embraced green hydrogen products and solutions to support global zero carbon development.



2000

Foundation



60000+

Global Employees



30+

Global Network

1H Y2022 Operating Income

\$7.512B

1H Y2022 Net Profit

\$966M

1H Y2022 R&D Investment

\$547M



145GW

PV Monocrystalline Module Shipment NO.1



BloombergNEF

100% Bankability
Altman-Z Score Above 1.8



PV MODULE TECH
BANKABILITY RATINGS

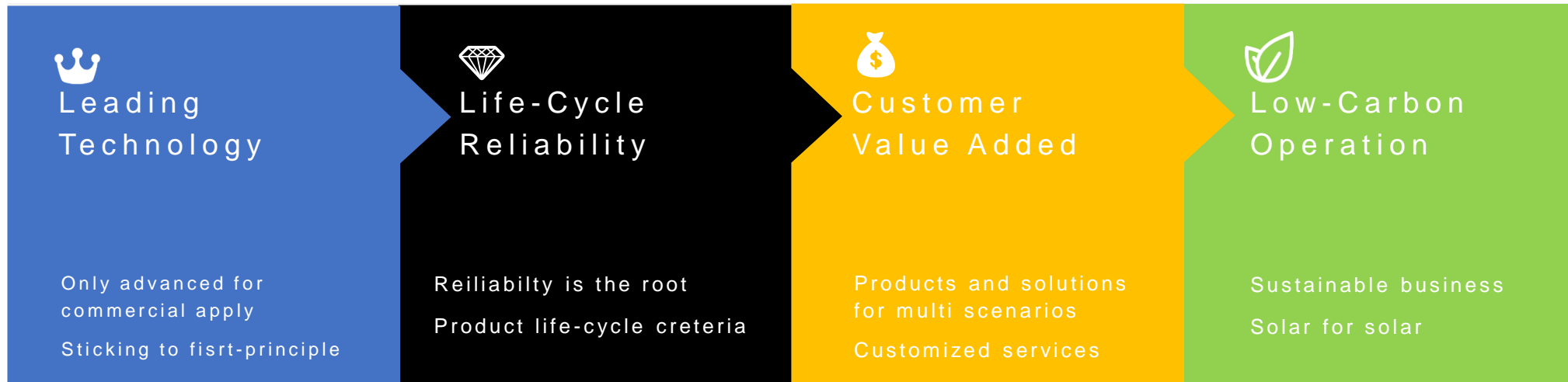
The Only AAA-grade Bankability



Value Proposition

Product Value Proposition

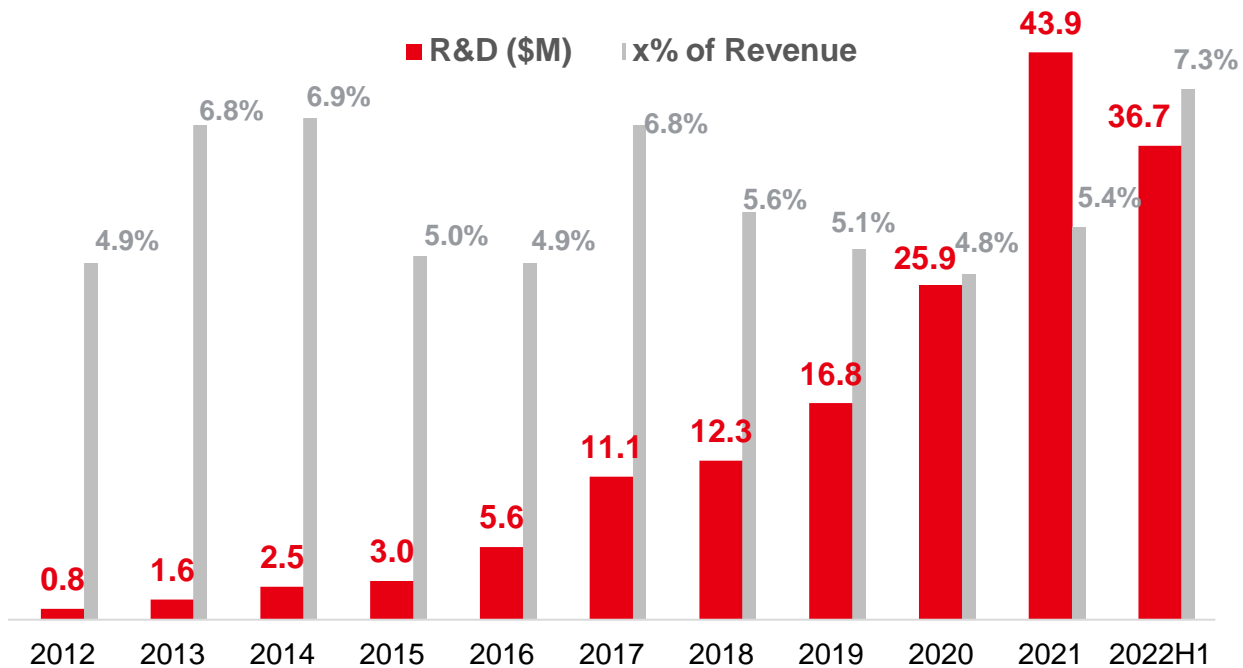
Oriented by customer demand and driven by technology innovation, we create and provide our customers with service and solution by leading technology、 life-cycle reliability、 customer value added and low-carbon operation to make the lowest LCOE of the industry



Leading Technology

Continuous Research in A Large Scale

LONGi's technological innovation will quickly be transformed into high-volume manufacturing in industry, and be recognized by the clients, promoting the continuous reduction of the LCOE



26.81%

World record of silicon cell efficiency

26.56%

Record of p-type HJT on a large size

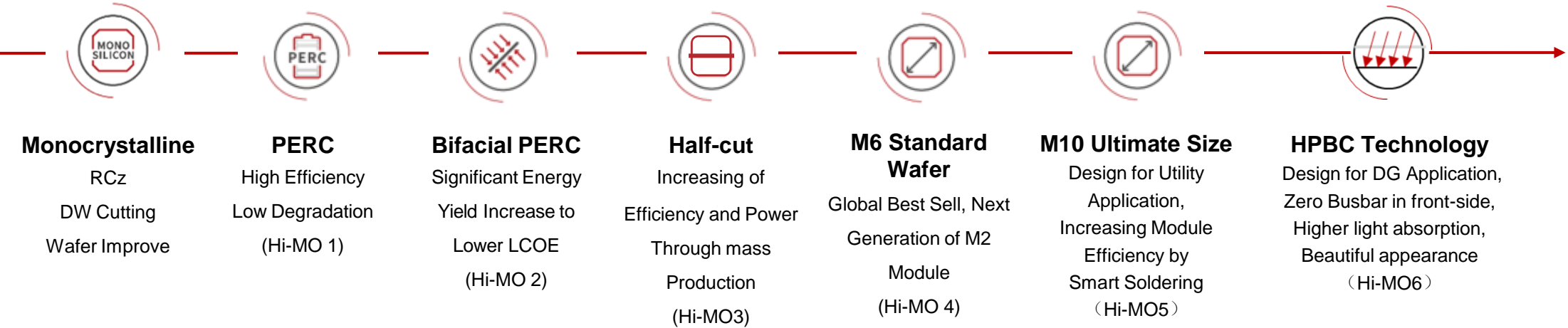
26.09%

Record of Indium-free HJT on a large size

Leading Technology

Advanced technologies promote commercial utilization

LONGi's business philosophy: no leading and no expansion, no necking and no intervention. LONGi's technological innovation will be rapidly transformed into advanced production capacity on a large scale and promoted and applied on the client side to promote the continuous reduction of LCOE.

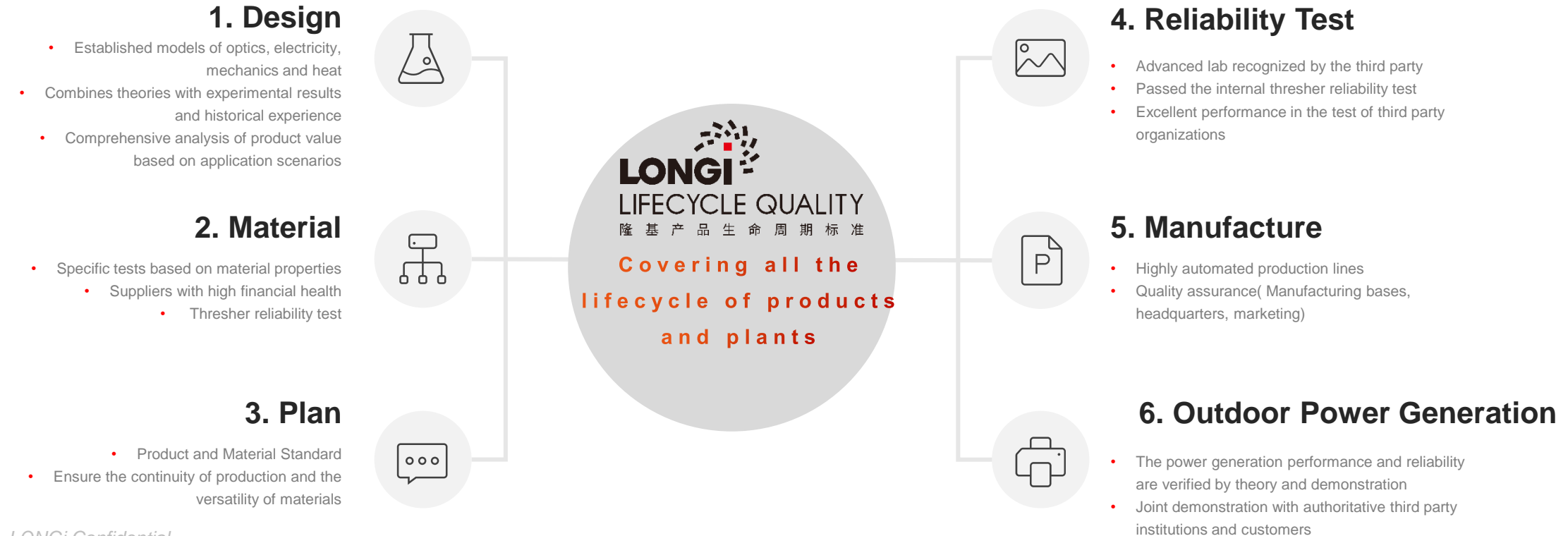


The Industry Lowest LCOE Brings Customers The Most Value

Life-Cycle Reliability

Firstly introduce the criteria of product life-cycle for long-term stable value and profits

LONGi's product lifecycle standards provide in-depth insight into the lifecycle attributes of products and systems, take robustness and reliability as the basis and long-term value guarantee for customers, and implement high reliability standards throughout the product lifecycle from multiple dimensions so as to provide customers with robust values and revenues beyond expectations.

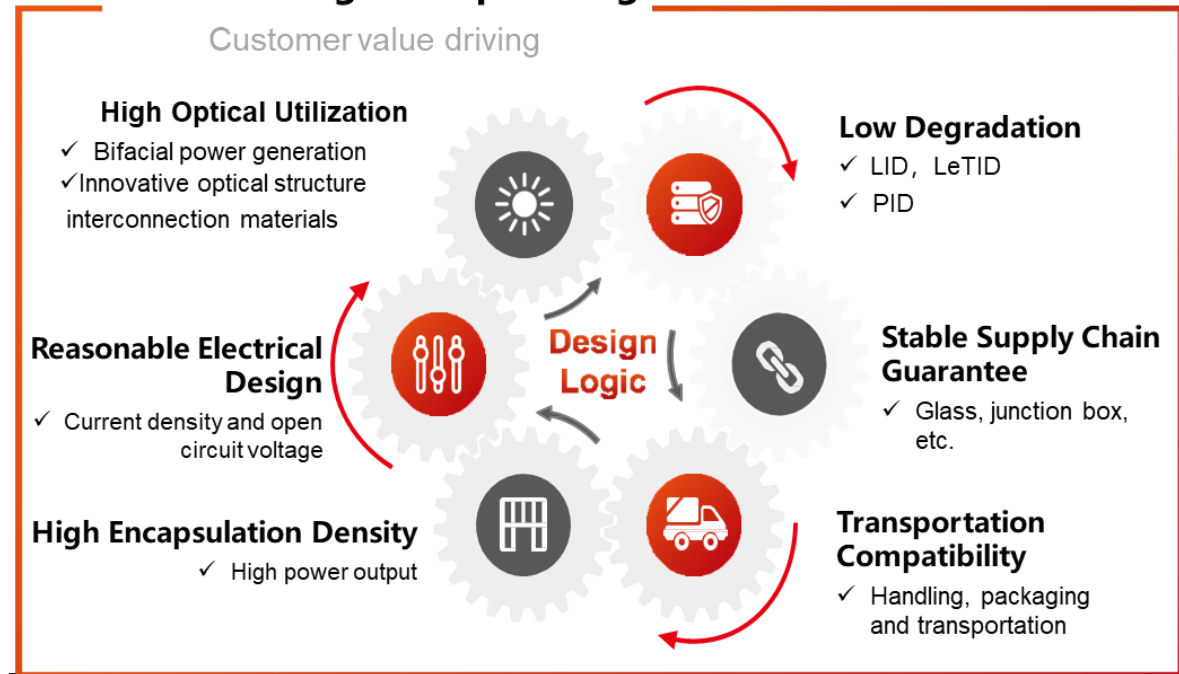


Life-Cycle Reliability

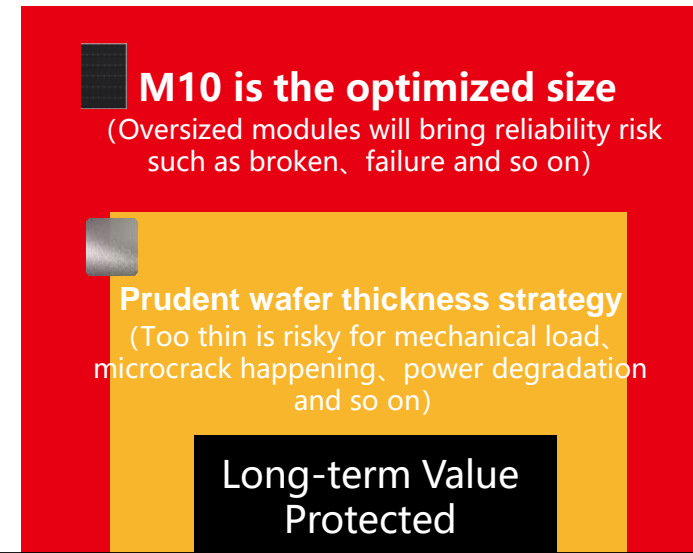
Reliability is the root of customer value. LONGi will never transfer potential risk to our customers

LONGi advocates that innovation should return to efficiency improvement and guarantee of long-term customer value. The unilateral pursuit of larger module sizes and thinner wafers will bring a series of product and system failure risks. It should have size boundaries, and reliability needs to be measured.

Module design and planning



It is not the larger the better



Customer Value Added

Excellent performance is widely acclaimed, escorting for customer value

LONGi is committed to delivering products and services with industry-leading values to customers worldwide through technological innovation and rigorous product development and commercialization operations. With excellent product performance, robust product reliability and dependable product quality, LONGi has won wide acclaim and full trust from customers and partners around the world.

TÜV Rheinland All Quality Matters



2017, 2018, 2022 | Energy Yield Simulation
Winner (Mono Group)

2019, 2020, 2021 | "PV Module Outdoor
Power Generation" Winner

The RETC High Achiever



LONGi has won the RETC High Achievers
for 4 years since 2019 and the most awards
in 2022

PV Magazine Test



Organized by the German-based PV Magazine
Group, in cooperation with CEA in the United
States and GSolar in China, sampled by CEA

LONGi modules were ranked top in the outdoor
category

Customer Value Added

Product solutions for multi scenarios to realize customer value

LONGi provides customers with product solutions covering various application scenarios through multi-dimensional consideration of products, systems and life cycle, realizing the perfect matching of products in different application scenarios and strongly guaranteeing the efficient operation of customers' projects.

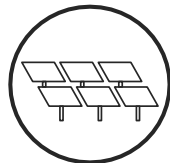
Customized PV Plant Solutions



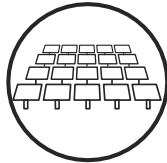
Global Solar Engine

PV Power Plant Design Optimization - Reduce initial investment cost of power plants
Explore the world's leading design optimization methodology to automate system design solutions and efficiently empower teams to provide power plant design optimization solutions

Solutions for All Application Scenarios



Mountains



Deserts



Airports



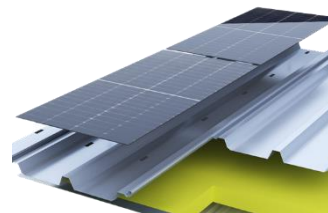
Floating



Flexible

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BIPV Solutions

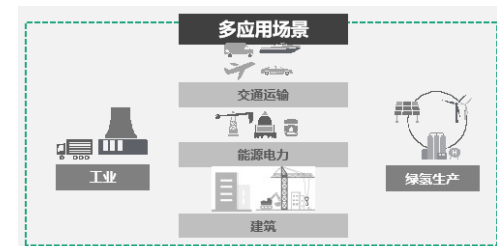


Roofs Intergrated PV Solutions



Walls Intergrated PV Solutions

Hydrogen Production Equipment & Solutions

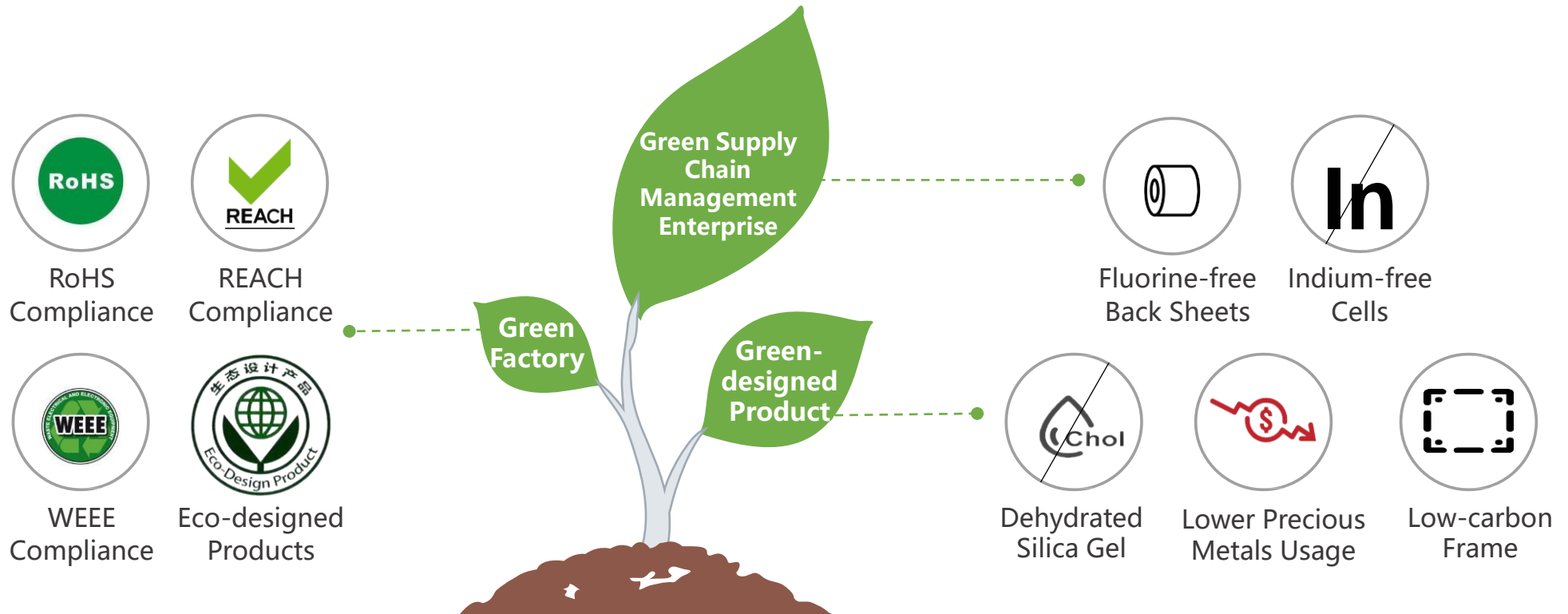


Provide hydrogen production design and differentiated green hydrogen equipment solutions to help the unit cost of hydrogen production - LCOH rapidly decline

Low-Carbon Operation

Create industry-leading value for our customers in a sustainable manner

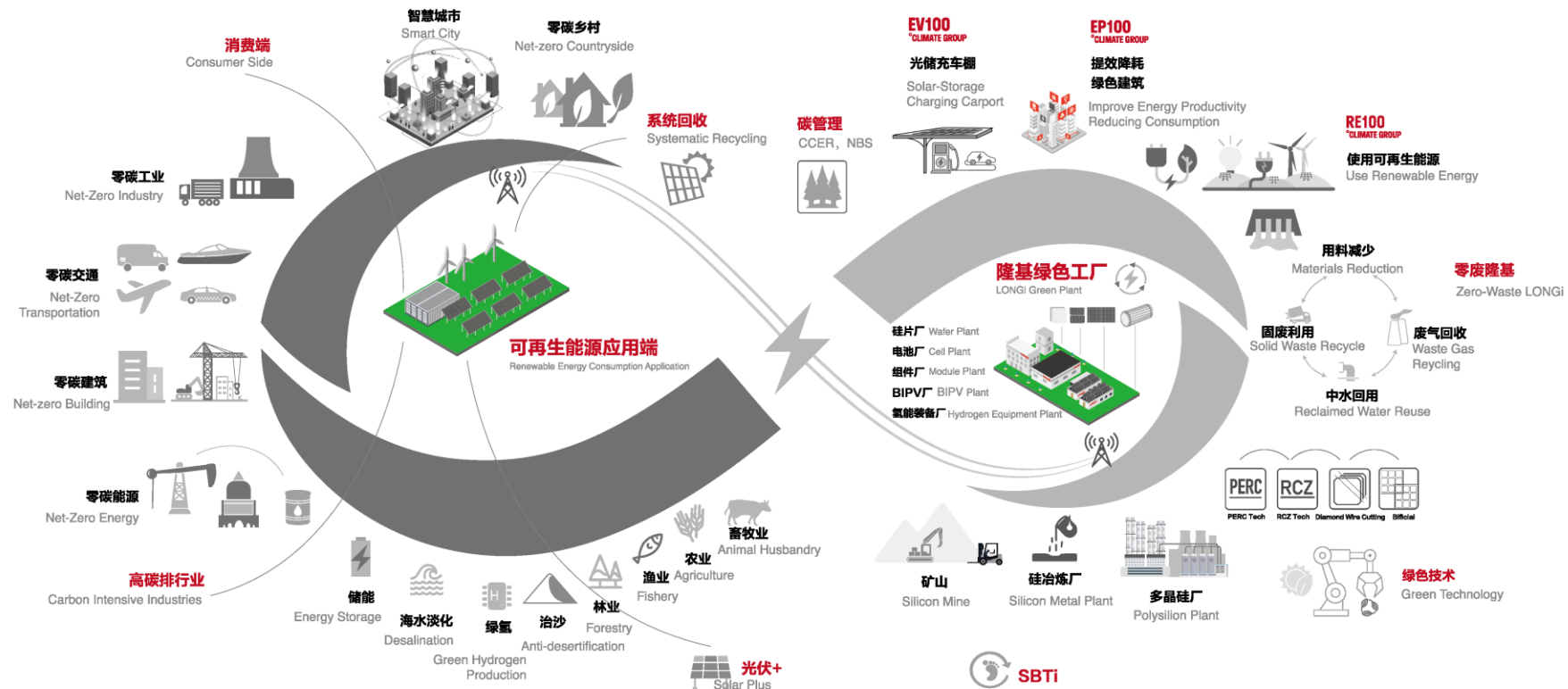
LONGi deeply practices the green and low-carbon concept and implements green manufacturing to achieve "win-win" economic and ecological benefits. LONGi has become a PV enterprise that has won three national honors of "Green Factory", "Green-designed Product" and "Green Supply Chain Management Enterprise" at the same time.



Low-Carbon Operation

Conduct "Solar For Solar" Sustainable Development Concept

The concept of "Solar for Solar" put forward by LONGi is dedicated to achieving zero carbon emission in the whole PV industry chain and helping the world combat climate change. LONGi has joined the international initiatives of RE100, EV100, EP100 and SBTi, becoming the first Chinese company to join four international initiatives at the same time



Hi-MO 5 Series

High cost performance products with optimal value size

LONGi TradeSecret A

LONGi

- **Value Proposition:**

High cost performance product with optimal value size

- **Time to market :** 2020
- **Capacity :** Global 60GW

- **Core advantages**

Realize optimal value creation in the whole life cycle

Taking into account both optimal LCOE and life cycle reliability

High power and more economical

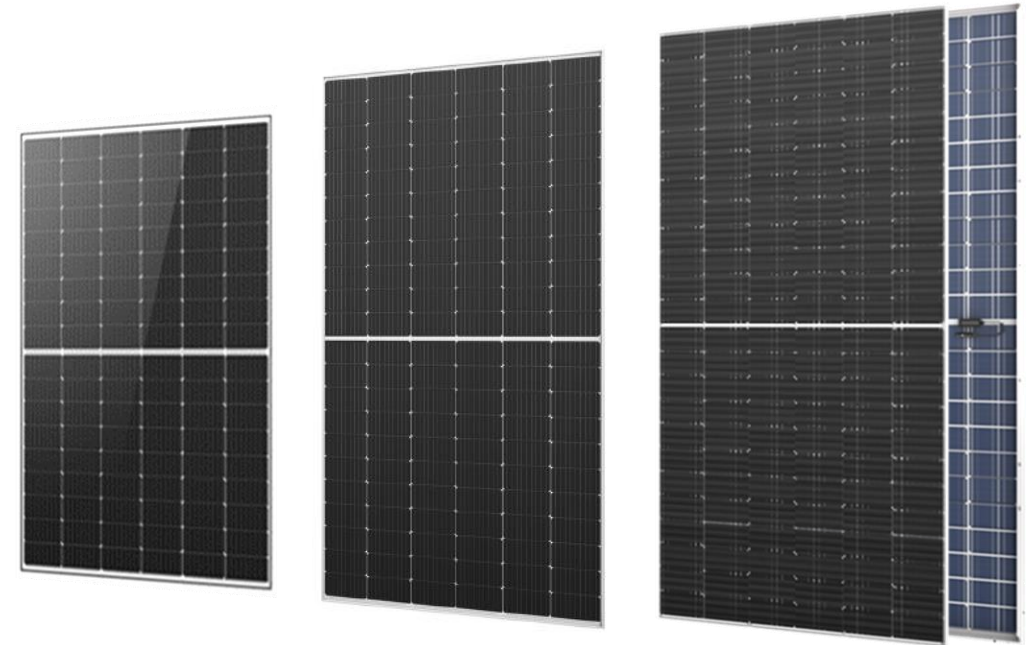
The module efficiency is 21.3%, High cost performance decreases LCOE

High reliability, high performance and robustness

Intelligent welding technology realizes the perfect combination of high reliability and high power

Powerful product delivery capability

Comprehensive product solutions to achieve efficient and large-scale delivery worldwide



Hi-MO 5m (54c)

1722*1134mm

Hi-MO 5m (66c)

2073*1134mm

Hi-MO 5m (72c)

2278*1134mm

Hi-MO 6 Series

Technology brings beauty, a model of life

- **Value Proposition:** Science and technology make life beautiful, high appearance, high efficiency, high power and high reliability

- **Time to market :** 2022
- **Capacity :** Global 30GW
- **Core advantages**

Technical innovation, high level of appearance, new definition of customer value

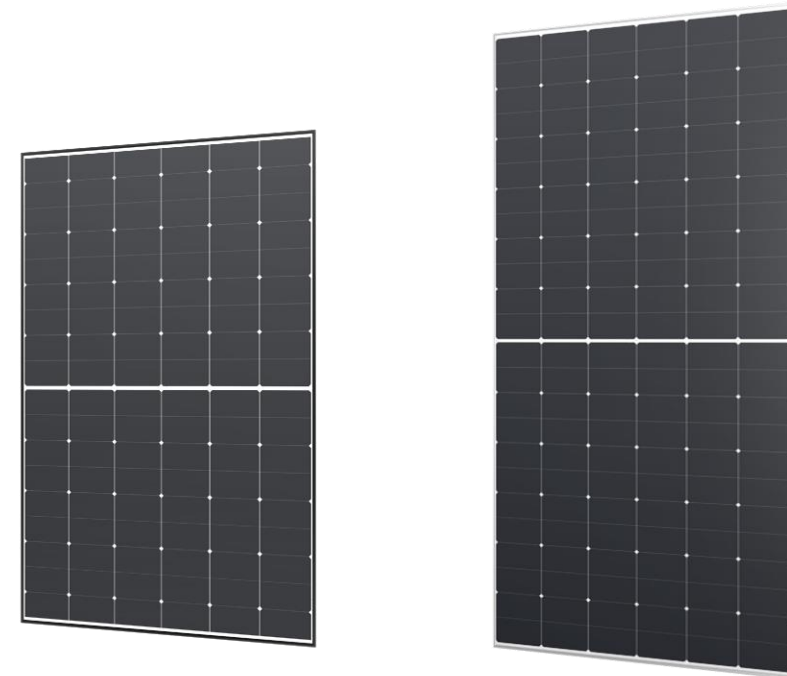
Perfect combination of advanced technology, green power and environmental aesthetics to innovate customer value

High efficiency, high power, more power generation, lower LCOE

The cell efficiency 25.2%; The module efficiency 22.3%, and the power generation exceeds 3%

Stable and reliable, high performance guarantee in full life cycle.

R&D and application of advanced cell and module technology , continuous and reliable high-performance throughout the product life cycle, better performance of low irradiation response, lower LID, and lower linear degradation



Hi-MO 6m (54c)

1722*1134mm

Hi-MO 6m (72c)

2278*1134mm

LONGI