

LONGi

**CUSTOMER
DRIVEN
VALUE
CREATION**

FOR FULL SCENARIO ENERGY TRANSFORMATION
The World Leading Solar Technology Company

2022.12

LONGi

LONGi Solar Technology Co., Ltd.

www.longi.com

To make the best of solar energy to build a green world
Persisting in Innovation and Value Creation

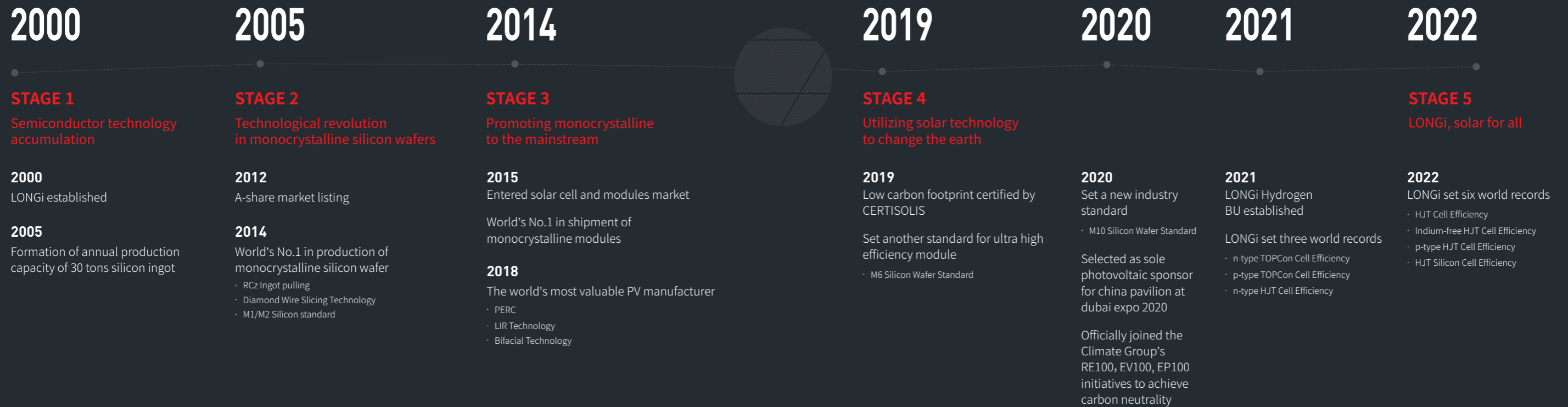
LONGi leads the solar PV industry to new heights with product innovations and optimized LCOE with breakthrough monocrystalline technologies.

LONGi is recognized as the world leading solar technology company with the highest market value.

Innovation and sustainable development are two of LONGi's core values.

Steadfast and Reliable

Each Milestone Has Become A Key Force to Promote the Development of the Industry



Y2021

Operating Income	Net Profit	R&D Investment	Total Asset	Global Employees
\$12.694B	\$1.425B	\$689.1M	\$15.329B	50000+

*Notes: The financial figures are based on the exchange rate at the end of the reporting period.



50 Smartest Companies in China 2019



Forbes Global 2000

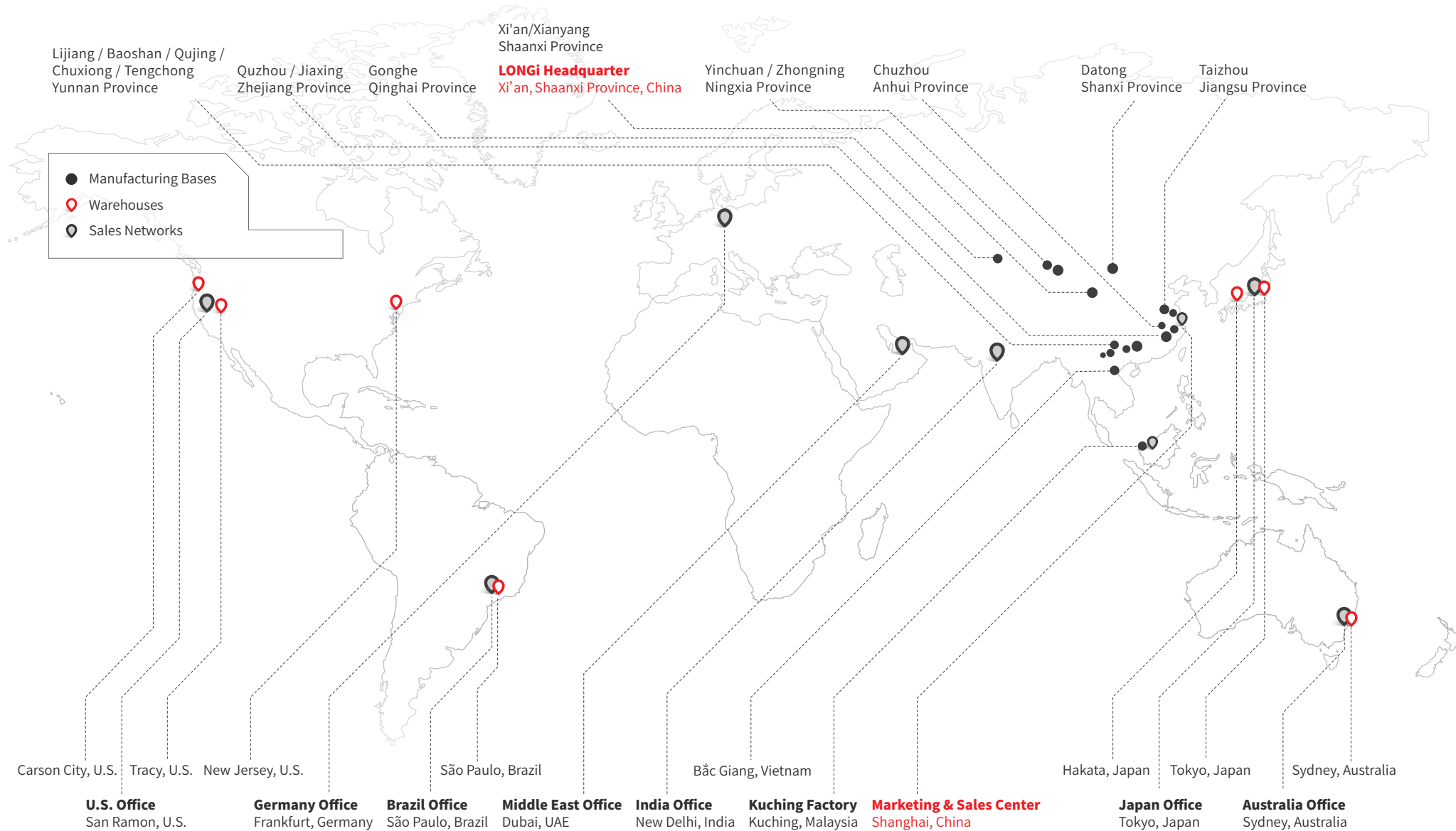


Fortune China 500



Goldman Sachs New China Nifty 50

The World Leading Mono Silicon Wafer Manufacturer Leading Capacity and Shipment



70.01GW → Wafer Shipment (2021)

105GW → Wafer Capacity (2021)

* LONGi took the industry lead in standardizing wafer size and achieving 100% diamond wire cutting of mono silicon wafer.

38.52GW → Module Shipment (2021)

* In 2021, the company's global sales performance, market share and brand influence ranked it 1st in the world, with its total shipment volume of domestic and exported modules exceeding 2nd place by more than 10GW.

60GW → Module Capacity (2021)

100GW+ → Total Module Shipment

LONGi has consistently maintained industry leading ability to mitigate risk and adapt to market changes and, as part of operations, the company prioritizes corporate financial health and stability, with its asset-liability ratio at a low level compared to other global PV manufacturers.

TIER 1

Tier 1 PV Module Manufacturer

**Source: BNEF 4Q 2022 Global PV Market Outlook*

We Embrace Innovations with Our Global Customers

100%

100% Bankable PV Module Brand

**Source: BNEF PV Market Module & Inverter Bankability 2022*

150+

Countries and Regions



AAA

PV Module Tech Bankability Rating

**Source: PV Module Tech Bankability Quarterly Report Q4 2022*

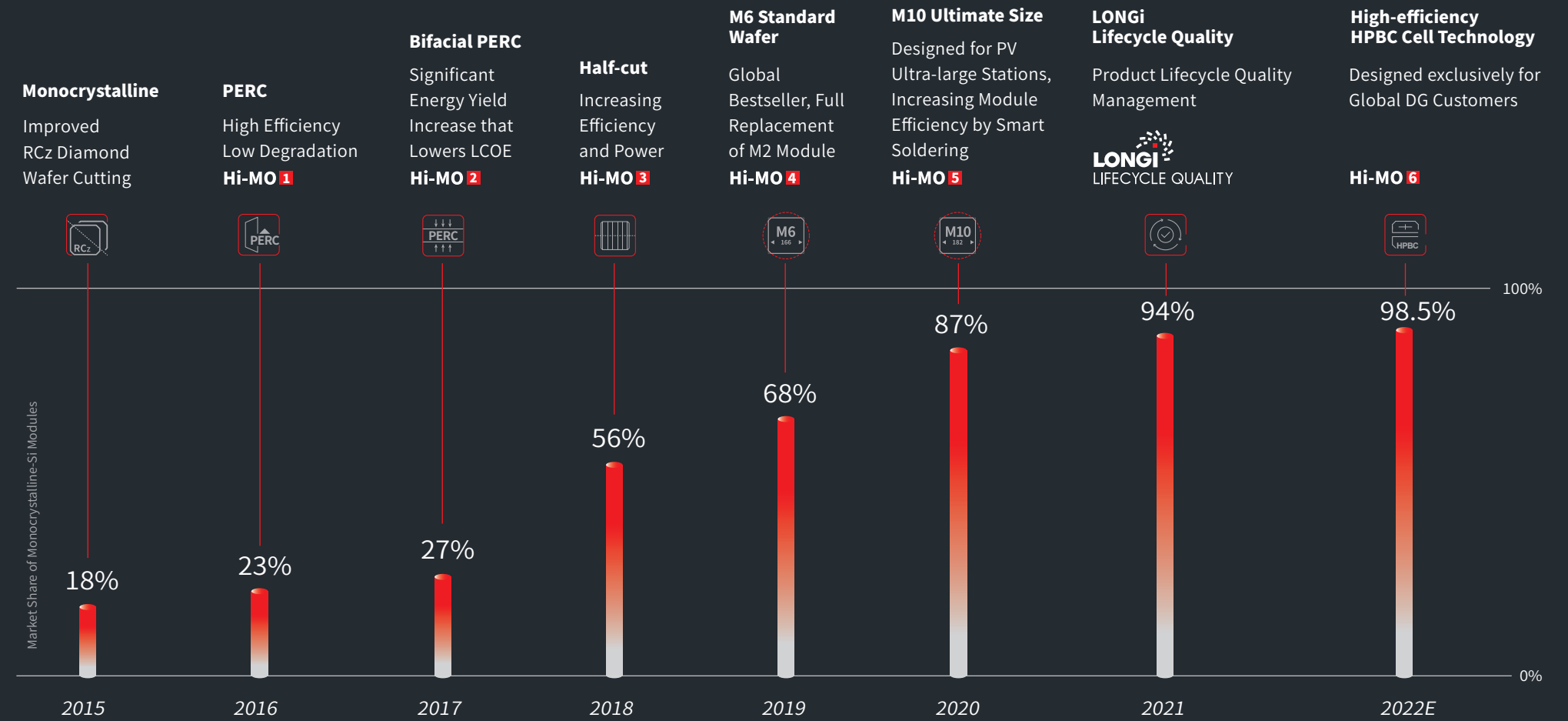
5000+

Global Customers



Technology Leadership

LONGi Innovation: The Benchmark For The Entire Industry



Continuous Technology Innovations
on Open Platforms

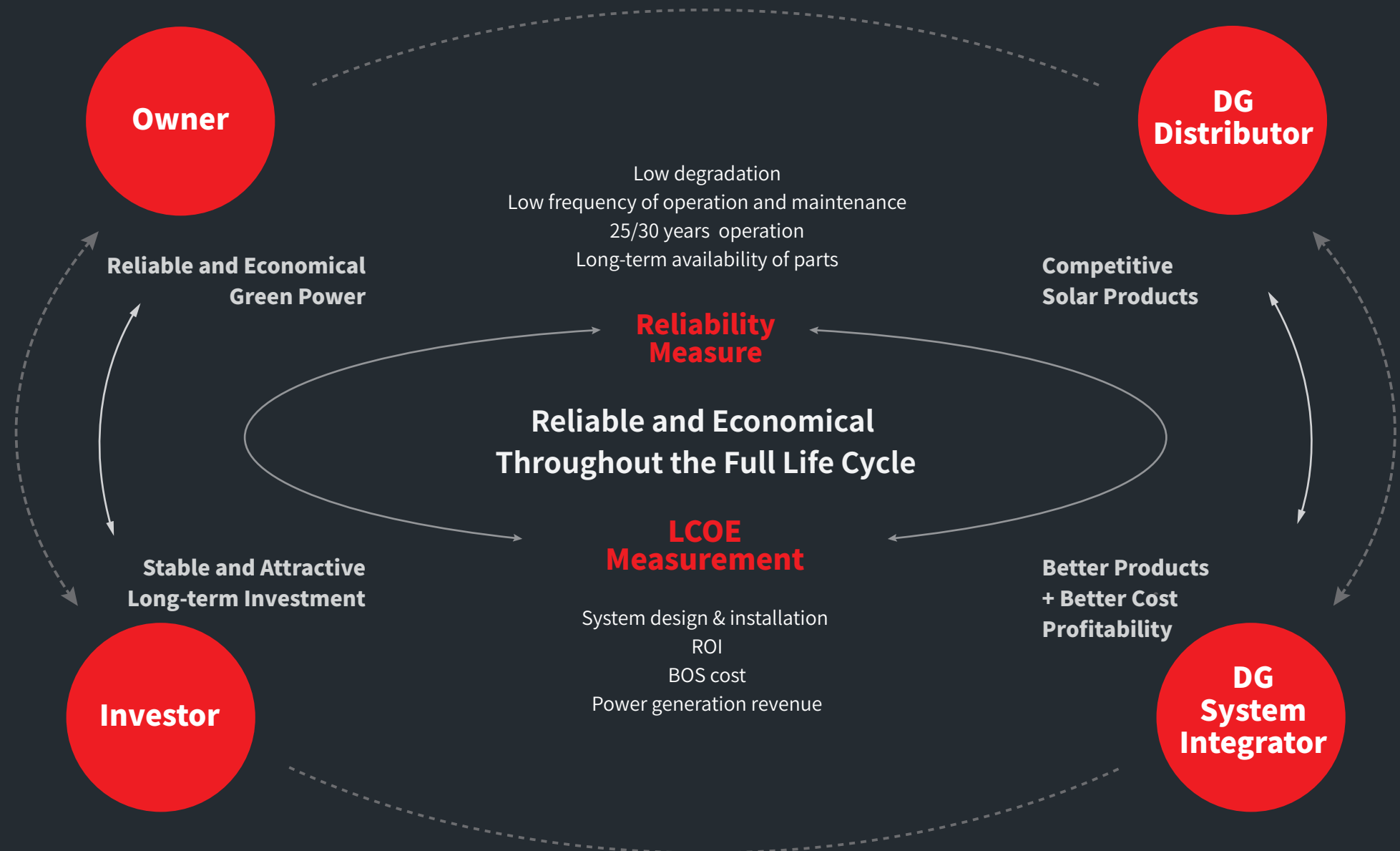
\$689.1M

2021 R&D Investment

5.43%

Proportion of Operating Income Invested in R&D

Customer Driven Value Creation



LONGi Module Design and Planning

Production and Technology with Highest Customer Value

High Optical Utilization

- Bifacial power generation
- Innovative optical structure interconnection materials

Low Degradation

- LID, LeTID
- PID

Reasonable Electrical Design

- Current density and open circuit voltage

Stable Supply Chain Guarantee

- Glass, wire box

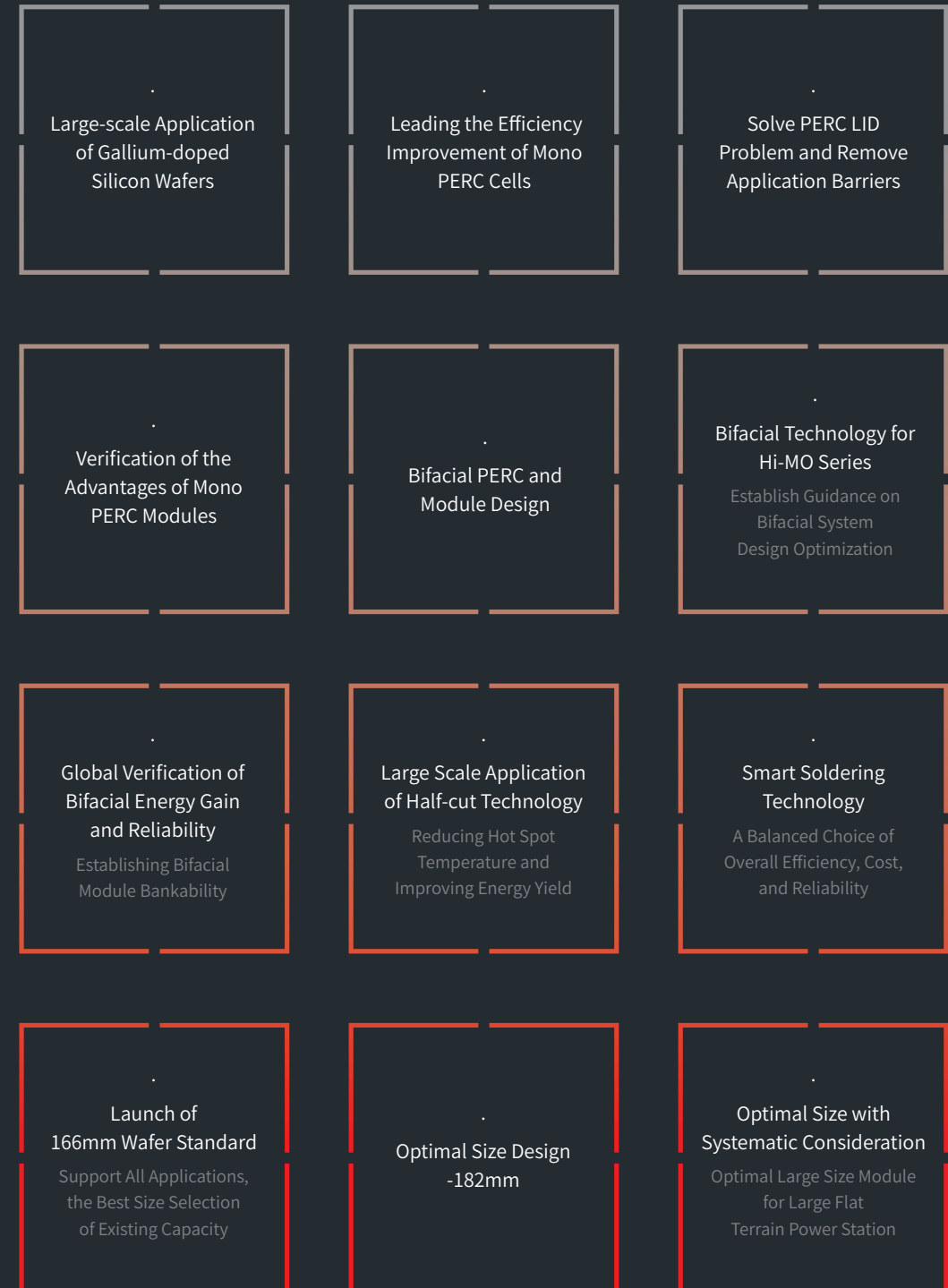
High Encapsulation Density

- High power, high efficiency

Transportation Compatibility

- Handling, packaging and transportation

Design Consideration



LONGi Hi-MO Series Unlock More Application Scenarios

Hi-MO 5 Delivering True Value

- M10 wafer with gallium-doped technology · P-mono PERC cell technology
- Half-cut cell with multi-busbars

Hi-MO 5_m New Choice for Rooftop Solar System

- M10 gallium-doped wafer · Compatible with most standard mounting systems
- Excellent energy generation under low light

Hi-MO 6 High-efficiency HPBC Cell Technology

- M10 gallium-doped wafer
- Aesthetic · Efficient · Reliable · Intelligent

Applications



Residential

Suitable for Various Rooftops
Maximize Installation Capacity

Hi-MO 5_m 54c

Hi-MO 6



C&I

For Whole Scenarios

Hi-MO 5_m 54c

Hi-MO 6



Ultra-large Power Plant

Best LCOE

Hi-MO 5

Product Quality and Performance Guarantee



Professional Reliability Assessment Methods

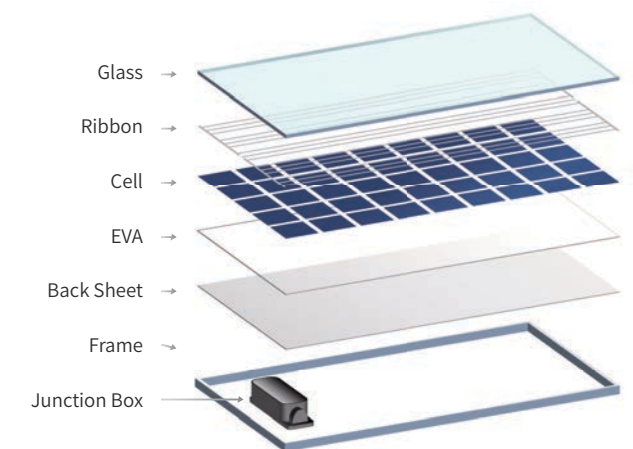
Based on the research results of well-known research agency standards and third-party institutions in the industry, LONGi has established a variety of differentiated reliability testing methods to evaluate product and material reliability more quickly and effectively.

- **Highly Accelerated Thermal Cycling (HATC)**
- **DH + UV Aging**
- **Low-temperature Mechanical Load Performance**



LONGi Standardized BOM

LONGi is committed to the standardization of materials. Materials meeting the high standards LONGi are unified as LONGi brand, which further improve the consistency of manufacturing process and product quality.



The Third-party Evaluation of Product Quality & Performance

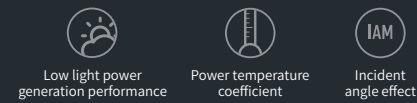
Efficiency Records and Awards

TÜV Rheinland All Quality Matters



2017, 2018, 2021, 2022
Energy Yield Simulation Winner

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



RETc High Achiever for 4 Years

LONGi is recognized as a 2022 Top Performer, gaining the High Achiever status in RETc (Renewable Energy Test Center)'s PV Module Index Report for the fourth consecutive year.



Renewable Energy Test Center (RETc) is a leading engineering service and certification testing provider for photovoltaic & renewable energy, who broadly organize test protocols and reported data according to three interrelated and essential disciplines: module quality, performance, and reliability.

Reliability

· DH2000 Test · DMLTest · PID-Free



Performance

· Module Efficiency
· PTC-to-STC Ratio
· PAN File · LID · LeTID

Quality

· Thresher Test (HF30, TC600, DH2000, DML, UVSoak)

Top Performer in PVEL's PV Module Reliability Scorecard 6 Times

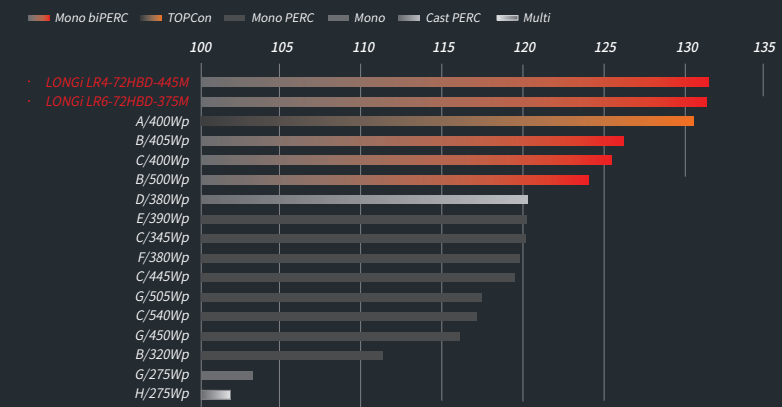


600cycles + 2000hours + 192hours
Thermal Cycling Damp Heat PID Test

1000cycles + 50cycles + 30cycles
Dynamic Mechanical Load Thermal Cycling Humidity Freeze

Excellent Performance in Energy Yield Test Conducted by pv magazine

Monthly power generation of 2021.12~2022.9(Wh/Wp)



- 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.



The Only Module Manufacturer Achieving '2021 Intersolar Award'

The annual Intersolar award is arguably the most authoritative solar photovoltaic award in Europe, based on only the most innovative and disruptive products and technologies in the industry over the year. In terms of impact and price assessment, the winners are all innovators, leading the development of the photovoltaic industry.

- The only module manufacturer achieving 'Intersolar award' Demonstration of LONGi's advanced technology and innovation

2021 Intersolar Award



The Future of LONGi Sustainable Development Roadmap

With “Solar for Solar”, LONGi officially joined the Global Initiatives RE100, EV100, EP100, and will keep building towards achieving 100% in clean energy consumption.

LONGi always had sustainable management as a core criteria for business decision-making, including continuous investments in innovation and research, advocating an open corporate culture and promoting scientific institutional research. At the same time, LONGi has been leading continuous changes in electric power and energy, promoting the sustainable development of the planet and mankind.

It is LONGi's vision and roadmap that Earth will be completely green and self-sustainable in the first half of this century.

RE100 **EV100** **EP100**

Using clean energy in manufacturing



Solar becomes the main electricity source for electric vehicles



Solar + desalinated seawater irrigates the deserts, creating oasis



100% renewable energy. Earth enters a carbon-negative mode

2020

2025

2030

2035

2040

2045

2050



Solar + pumped-hydro energy storage, starts using solar in manufacturing



Renewable energy accelerates the replacement of fossil energy



Solar + hydrogen energy, applied to the ocean and air transportation and reducing smelting

