

**Hi-MO** **5<sub>m</sub>** 54c

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# Best Choice for Solar Rooftop Systems

on private, residential, commercial, and industrial buildings



# ABOUT LONGi

LONGi, founded in 2000, is a world-leading solar technology company.

LONGi produces monocrystalline silicon wafers, cells and modules, delivering solutions for distributed and ground mount power station systems, promoting the development of the global PV industry and driving energy transformation.

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



**2000**

Foundation



**60000+**

Global Employees



**30+**

Branches



**15**

Manufacturing Locations

## LONGi COMMITMENT



LONGi sees sustainability and charitable giving efforts as our social responsibility.

LONGi aims to be conscious of its economic, social and environmental impact and look beyond profits while remaining accountable to shareholders.

With “Solar for Solar”, LONGi officially joined the Global Initiative 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.

Operating Income

**\$ 8.416B**

Net Profit

**\$ 1.319B**

R&amp;D Investment

**\$ 339.7M**

Total Asset

**\$ 14.206B**

\*\*\*Notes: The converted USD amount is for reference only.

1. USD-Chinese Yuan exchange rate of 1:6.4853 is used in the 2020 Annual Report.
2. USD-Chinese Yuan exchange rate of 1:6.5713 is used in the Q1 2021 Report.

## 1<sup>st</sup> Chinese company to join RE100, EV100, EP100

### RE100

LONGi has committed to using 100% renewable power across its entire global operations by 2028.

### EV100

In the coming 10 years, LONGi will install adequate power charging facilities for vehicles to encourage the employees to change family vehicles into electric vehicles.

### EP100

LONGi has committed to completing its energy management system (EnMS) by 2025, as well as a 35% energy efficiency improvement in 2025 from the 2015 level.

## 42% powered by renewable energy in 2020

Equivalent to reducing 1.35 million tons of CO<sub>2</sub> emissions

5 LONGi facilities in Yunnan, including ingot supply for US products, running on 100% renewable energy

# Hi-MO 5<sub>m</sub> 54c

## Best Product for Photovoltaic Rooftop Systems

using integrated advanced technologies



### Ga-doped

M10 Ga-doped mono wafer



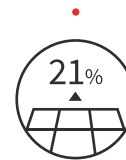
### PERC

9BB high efficiency PERC Cell



### 182mm

Industry standard PV module size



### 21%

Maximum module efficiency exceeds 21%

Large version with 72 cells won prestigious Intersolar Award in 2021. The 182 mm wide half cut cells are the ideal solution considering efficiency, longevity and durability, handling and installation.

LONGi Hi-MO 5 product with 72 cells has already been installed over 10 GW in the past two years.

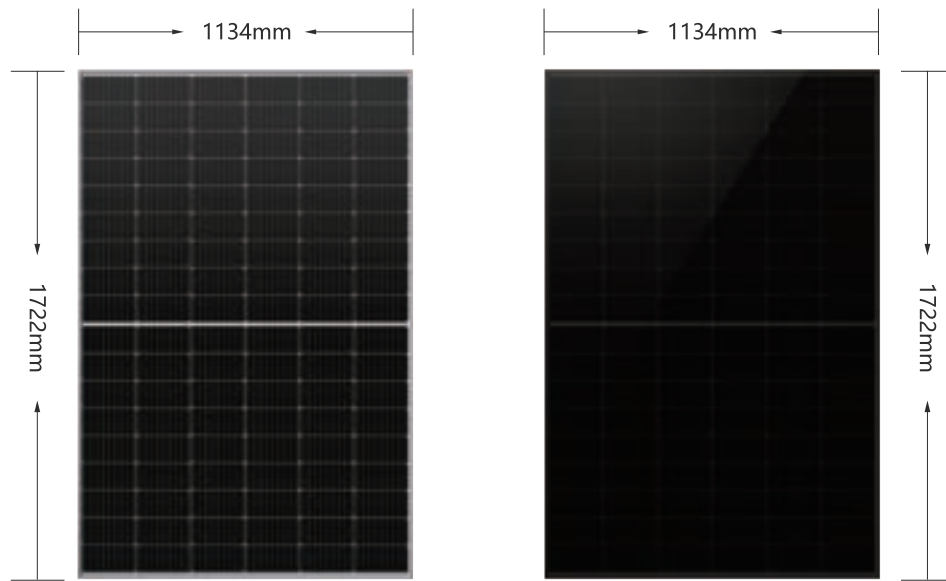




# Hi-MO **5<sub>m</sub>** 54c

## Product Version Overview

Using industry standard M10 wafer standardized module format



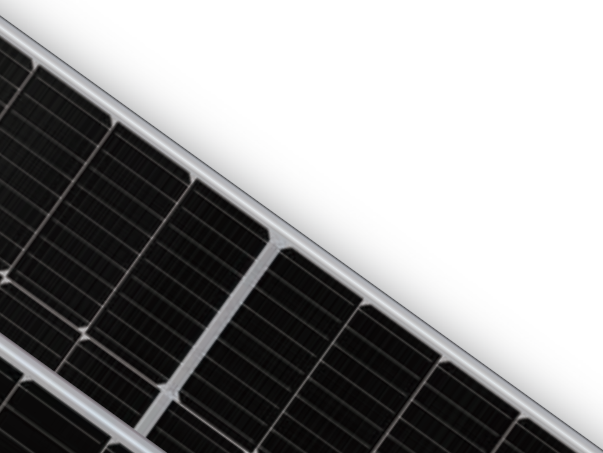
	Standard	All Black
Power (W)	405~415W	400~410W
Efficiency (%)	20.7%~21.3%	20.5%~21.0%
Dimensions	1722×1134mm	1722×1134mm
	1.95m <sup>2</sup>	1.95m <sup>2</sup>
Weight	21.5kg	21.5kg



Residential



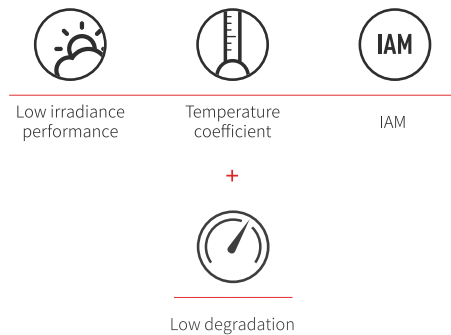
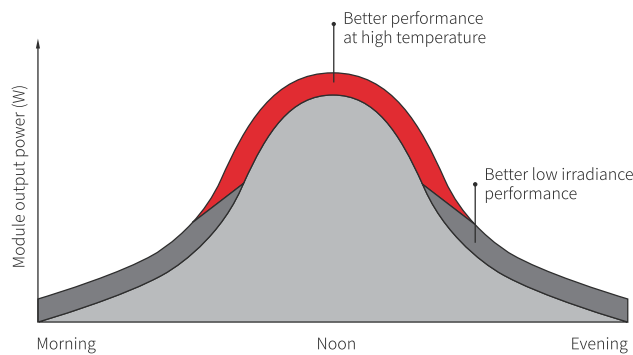
C&I



# Hi-MO 5<sub>m</sub> 54c

## Product Advantages

- Excellent energy generation under low light and/or low angles (IAM)
- Low-LID technology using Gallium-doped wafer
- Industry leading temperature coefficients
- 25 Year product performance warranty

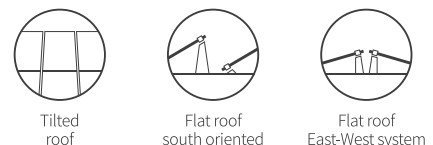


## Perfect Match for Your PV-System

Compatible with most standard mounting systems

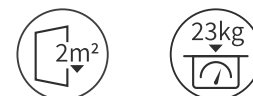
- Screwing on module frame long side
- Clamping on module frame long or short side
- Supports lay-in and slide-in systems
- Usable for elevation systems with edge clamping

Perfect roof matching



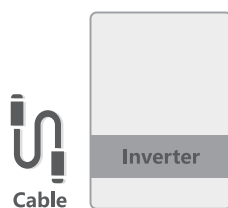
- Compact module size under 2m<sup>2</sup> (DiBT limitation)
- Weight below 23kg supports single man easy handling and installation

Compact size and handling



## Efficient energy generation with most top brand inverters

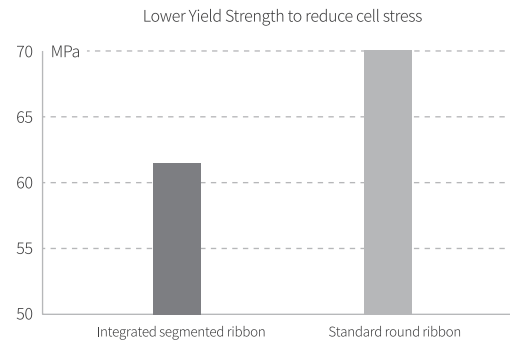
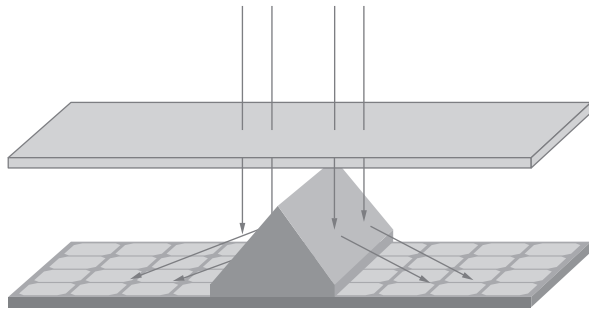
Operating current is below 15A.



	182-54c			
P <sub>max</sub> (W)	405W	410W	415W	
I <sub>sc</sub> (A)	13.83	13.88	13.94	
I <sub>mp</sub> (A)	13.07	13.12	13.18	< 15A

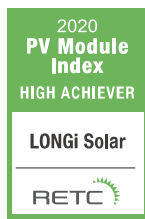
# Latest Technology - Proven Quality

Integrated segmented ribbon technology ensures maximum light trapping, lowest reflections and best longevity due to low yield strength.



# Independent Product Quality Verification

RETc & PVEL top performer and high achiever

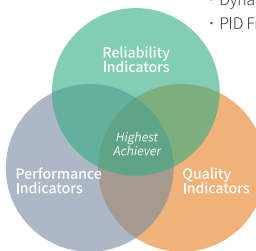


### Performance

- Module Efficiency
- Real world PTC conditions and STC (standard test conditions)
- PVsyst PAN-file
- Light Agening (LID)

### Reliability

- Damp-Heat Test
- Dynamic Mechanical Load Test
- PID Free

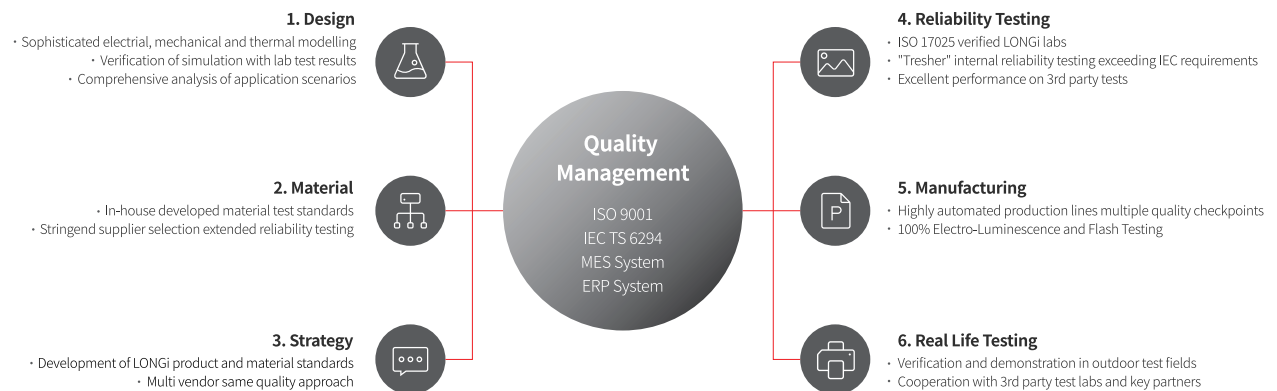


### Quality

- Tresher Test (combined Humidity-Freeze, Temperature Cycles, Damp-Heat, and UV Soaking) for maximum longevity

# LONGi life-cycle quality system

LONGi Hi-MO 5m 54c products are the best solution for your rooftop system. Highest energy yield, maximum durability and longevity make this product outperforming other solutions at lowest LCOE.



**LONGI**

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