



Pairi Daiza, Belgium  
The World's Largest Solar Parking Lot

**LONGi Solar** Lowering LCOE with bifacial in Italy



# About LONGi

The world's leading solar technology company

LONGi leads the solar PV industry to new heights with **product innovations** and **optimized power-cost ratio** with breakthrough monocrystalline technologies. LONGi supplies more than **30GW** of high-efficiency solar wafers and modules worldwide yearly, about **a quarter of global market demand**. LONGi is recognized as the world's most valuable solar technology company with the highest market value. **Innovation and sustainable** development are two of LONGi's core values.



**Y2000**  
Established



**40000+**  
Employees



**\$242.5 Million**  
R&D Investment  
(5.10% of revenue, Y2019)



**\$4.76 Billion**  
Revenue  
(Y2019)



**\$763.5 Million**  
Net Profit  
(Y2019)



MIT Science and Technology Review  
50 Smart Companies



Forbes 2020 Global 2000  
World's Largest Public Companies



Fortune Magazine  
China's Top 500



Goldman Sachs  
New China NIFTY 50  
(\*The Only New Energy Enterprise on the list)

# Leadership

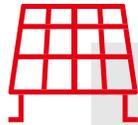
World's leading capacity of monocrystalline solar products

World's record for **P-Type monocrystalline** cell and module efficiency. World's largest scale in monocrystalline silicon wafers, monocrystalline modules and bifacial modules deliveries. World's healthiest solar company in financial strength, according to the latest BloombergNEF report. LONGi demonstrates its leadership in the PV industry in energy transformation. LONGi's products fulfilled **15% of new energy installations** in the world each year, and is the **world's largest supplier of power generation equipment in the PV sector.**



**40%**

Total capacity of monocrystalline silicon wafers, ranked No. 1 worldwide in 2019



**9.08GW**

Total shipment of monocrystalline cell and modules in 2019



**5.0GW +**

Total shipment of bifacial modules, ranked No.1 worldwide by 2020.05



**BloombergNEF**

Altman-Z Score 3.27, highest of all manufacturers  
(Bloomberg NEF 2Q-2020 PV Outlook.)



**PVTECH**

AAA Rating in the new PV ModuleTech Bankability  
(AAA is currently the highest rating, and LONGi is the only one in this level)

HIMO 5

72 Cell

# Product Parameters

LONGi

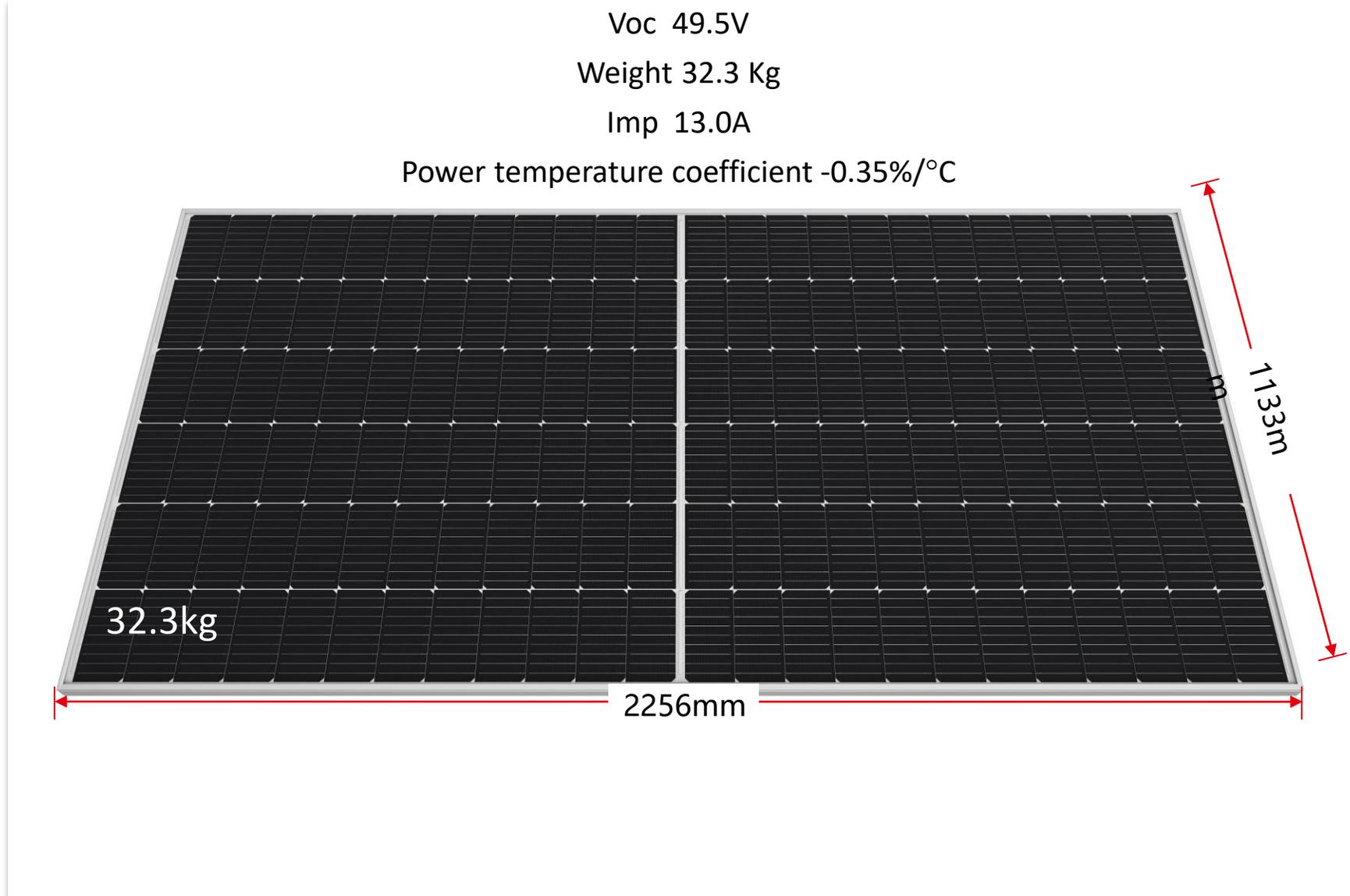
Pmp 540W

Voc 49.5V

Weight 32.3 Kg

Imp 13.0A

Power temperature coefficient  $-0.35\%/^{\circ}\text{C}$



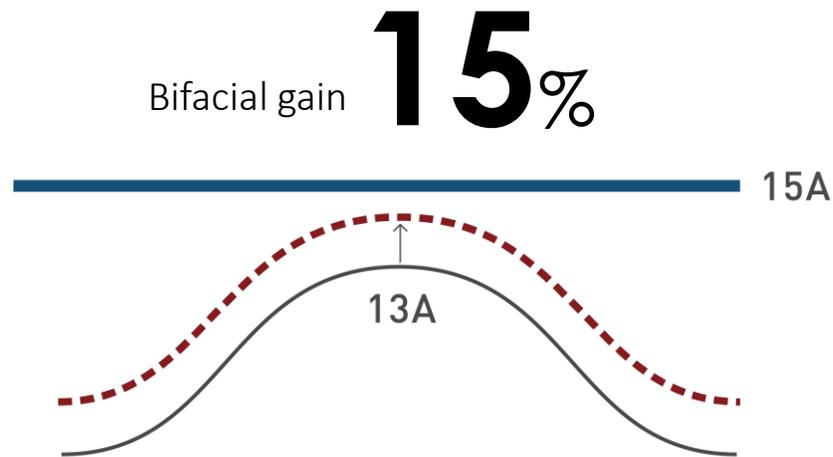


## Hi-MO 5

### Optimized electrical parameters

Fully compatible with inverters

The operating current of LONGi Hi-MO 5 module is about 13A. Including bifacial gain, the operating current remains within the maximum input current range of advanced inverters, hence there is no power generation loss.



- The maximum input current range of the new-generation of inverters
- Hi-MO 5 operating current (with bifacial imp gain)
- Hi-MO 5 operating current

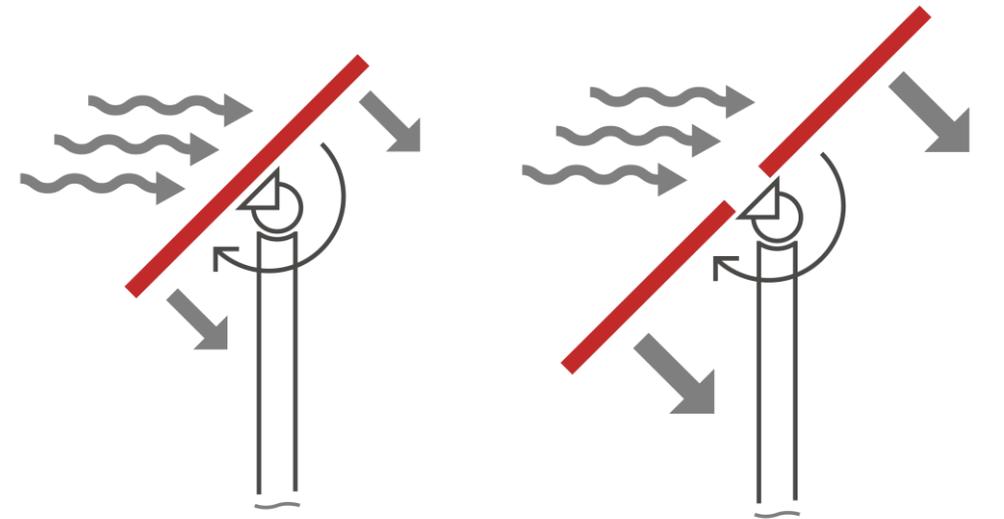


## Hi-MO 5

### Optimized module size

Perfectly matched with tracking systems

A Hi-MO 5 module length is about 2.25 meters. Compatible with mainstream 1P and 2P horizontal single axis tracking system. Bifacial module with tracking system can achieve the lowest LCOE in low latitude areas.



**1P**

Horizontal single axis tracker

**2P**

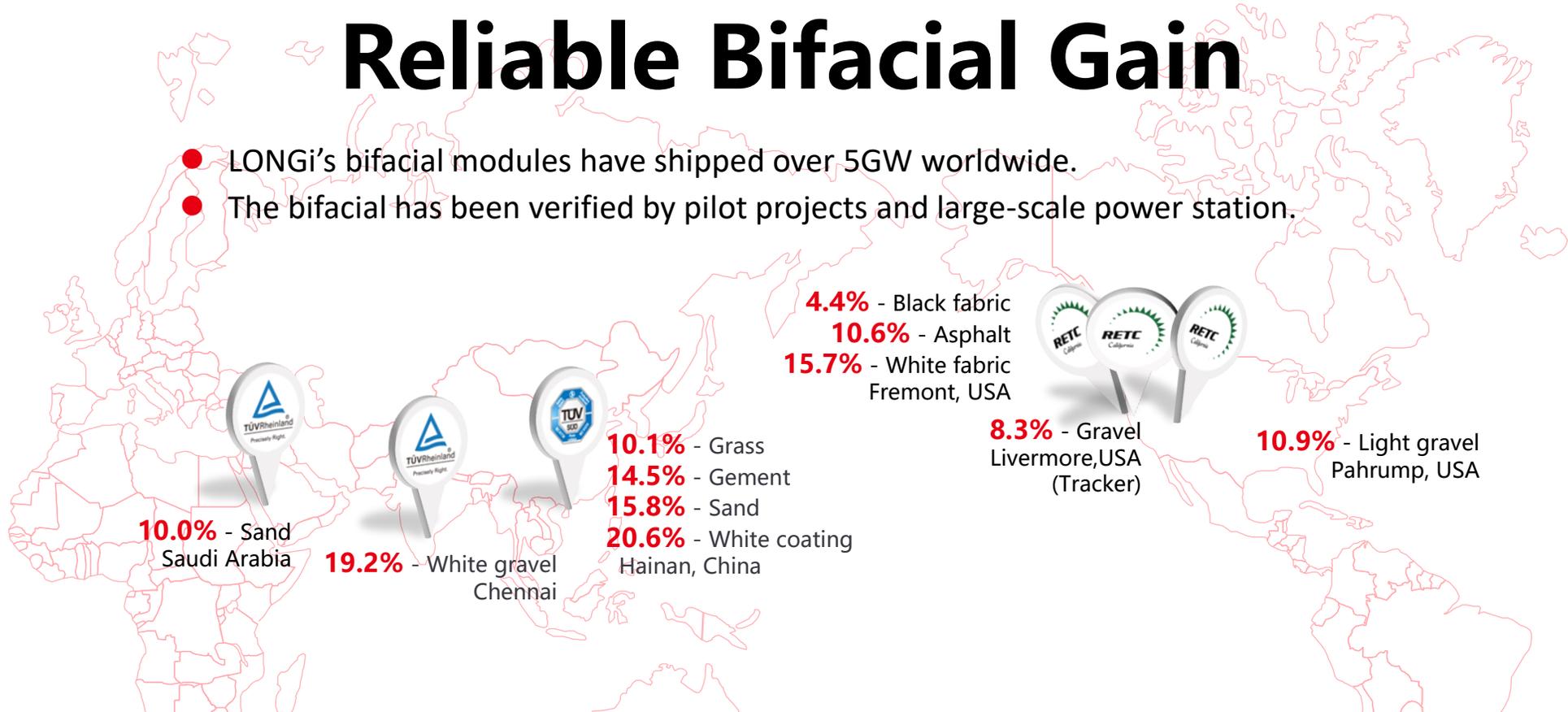
Horizontal single axis tracker

# Marketing Products Investigation

Module Type	G1-72C	163.75-78C	166-72C	210-50C	Hi-MO5 72C	Hi-MO5 66C
Power (W)	410	465	445	495	540	495
Module efficiency (%)	20.0	20.4	20.5	20.5	21.1	21.1
Typical size (mm)	2037*1005	2205*1032	2094*1038	2187*1102	2256*1133	2073*1133
Voc (V)	50.1	52.2	49.4	51.3	49.4	45.4
Typical string length	28	26	28	27	28	26
Imp (A)	9.64	10.55	10.80	11.49	13	12.95
BOS cost (¢ /W)	Baseline	-0.63	-0.66	-0.97	-1.34	-1.21

# Reliable Bifacial Gain

- LONGi's bifacial modules have shipped over 5GW worldwide.
- The bifacial has been verified by pilot projects and large-scale power station.



Thuwal, Saudi Arabia	Chennai, India	Ding' an, Hainan	Fremont, USA	利菲摩尔 Livermore	帕伦普 Pahrump
		16.0% 43.1% 40.5% Albedo: 67.2%	Asphalt Albedo: 24.0%	Albedo: 21.4%	Albedo: 37.9%

# LONGi

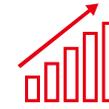
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**No.1**  
Altman-Z Score



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PV ModuleTech Bankability



**792 Million**  
R&D investment (2012~2019)