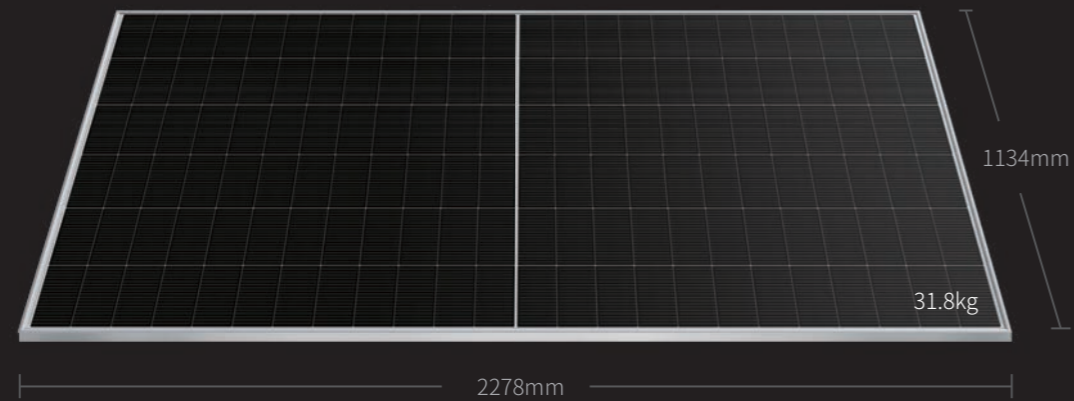




Hi-MO 7

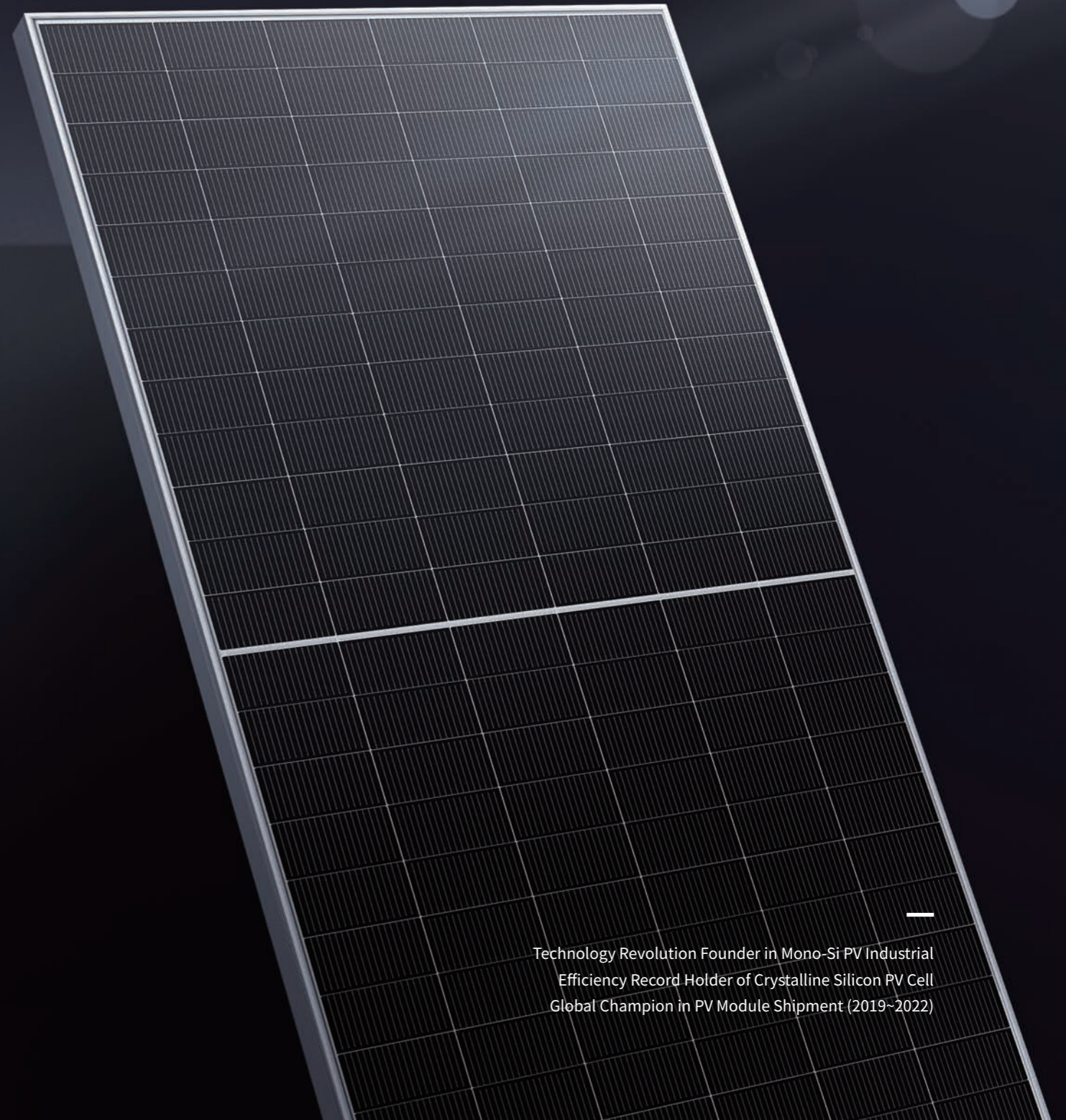
Advanced Technology Integration

LR5-72HGD-565~580M



Efficiency at its best

Hi-MO 7



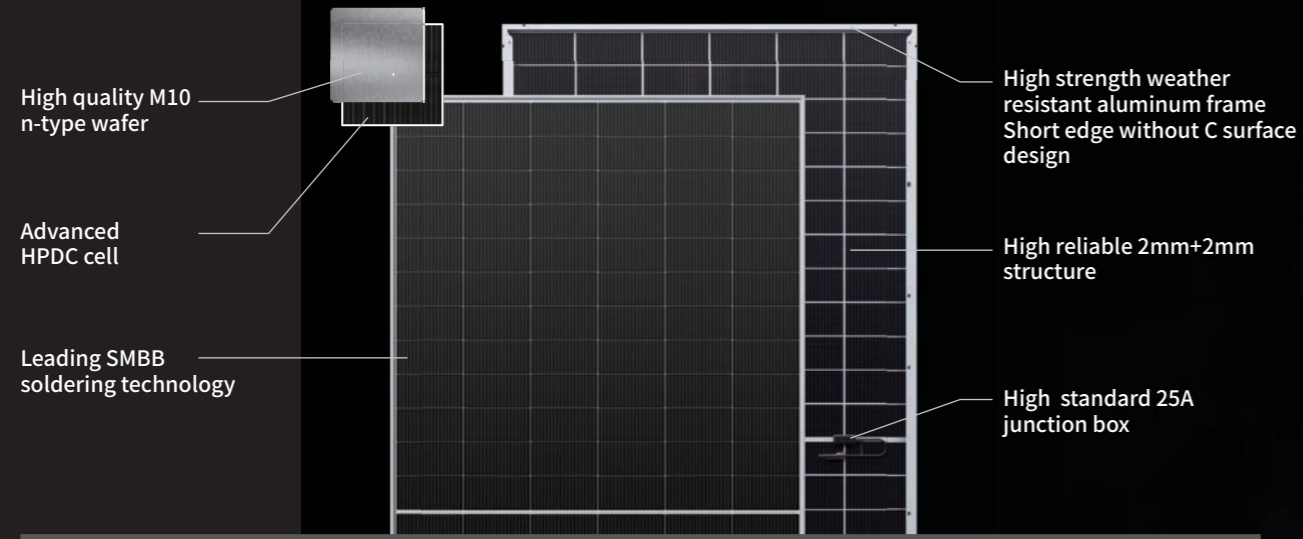
Product parameters

Pmp (W)	565	570	575	580
Voc (V)	51.09	51.19	51.30	51.41
Isc (A)	13.97	14.05	14.14	14.22
Vmp(V)	42.91	43.00	43.11	43.22
Imp (A)	13.17	13.26	13.34	13.42
Temperature Coefficient of Pmax	-0.28%/°C			
Power warranty	First year power degradation ≤ 0.8%, linear degradation ≤ 0.38%/year			

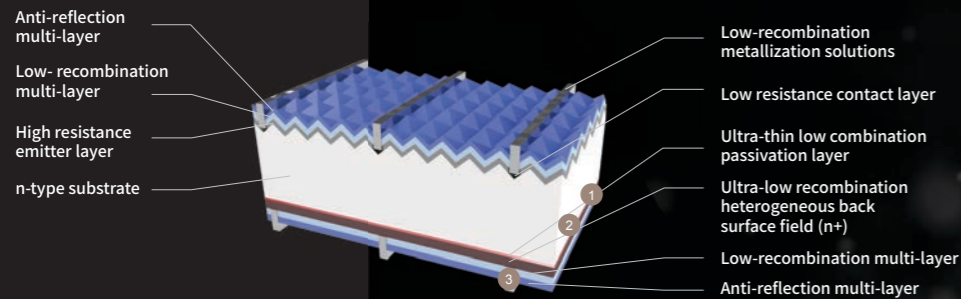
STC (Standard Testing Configuration) : irradiance 1000W/m², cell temperature 25°C, spectrum AM1.5

Technology Revolution Founder in Mono-Si PV Industrial
Efficiency Record Holder of Crystalline Silicon PV Cell
Global Champion in PV Module Shipment (2019~2022)

Advanced Technology Integration



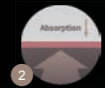
HPDC cell technology



HPDC is name for High Performance and Hybrid Passivated Dual-Junction Cell, which is a bifacial dual-junction cell produced by hybrid passivation technology. Different passivation technologies are used on the front and back of this cell, which can effectively reduce the carrier recombination and enhance the cell's power generation capacity. Meanwhile, the high and low junctions on the backside can realize full passivation and further reduce surface recombination. Therefore, HPDC cell has higher Voc and efficiency, lower degradation and better power temperature coefficient.



1 The passivation property has been enhanced, resulting in a reduction of the dark saturation current J_0 and an improvement in Voc, which optimizes the power temperature coefficient and low light performance.



2 Optimize and control the thickness of high and low BSF film, reduce light absorption and improve the bifaciality ratio of the cell.



3 The deposition process for high and low junctions was optimized, with controlled concentration differences resulting in reduced contact resistance pc and improved cell efficiency.

High performance-the third party testing result



Won the prize of 2022 Energy Yield Simulation from All Quality Matters



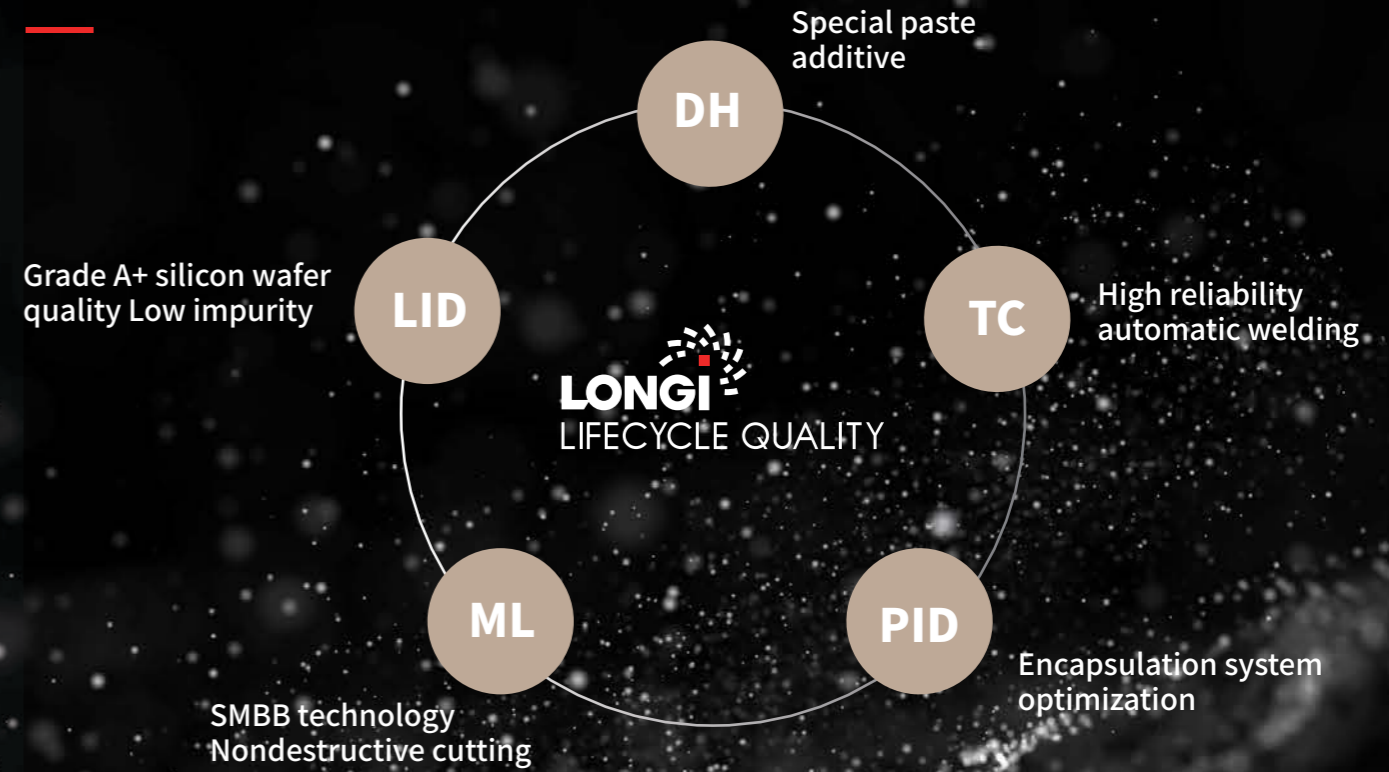
Power temperature coefficient
Low light performance
IAM performance



The excellent power generation performance of the product has been verified by Hainan Demonstration Power Station of CEI

Hi-MO 7

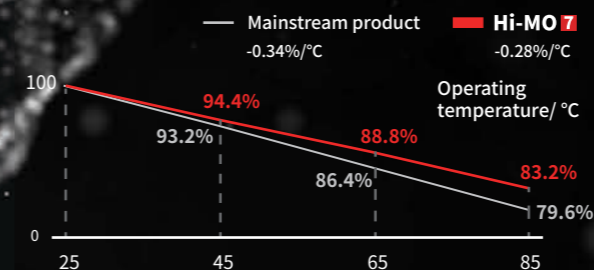
LONGi Lifecycle Quality guarantees long term reliability of products



Product Value

Better Temperature Coefficient

Better temperature coefficient benefits from Hi-MO7's better passivation performance and higher Voc, About 1% increase in power generation in high temperature environment



Higher Bifaciality

Benefits from Hi-MO 7's higher bifaciality of 80%, the bifacial gain is improved by 1%+

Mainstream product		Hi-MO 7	
Bifaciality	~70%	Bifaciality	~80%
Bifacial gain	9%	Bifacial gain	10%+

The power generation performance of bifacial module is significantly improved