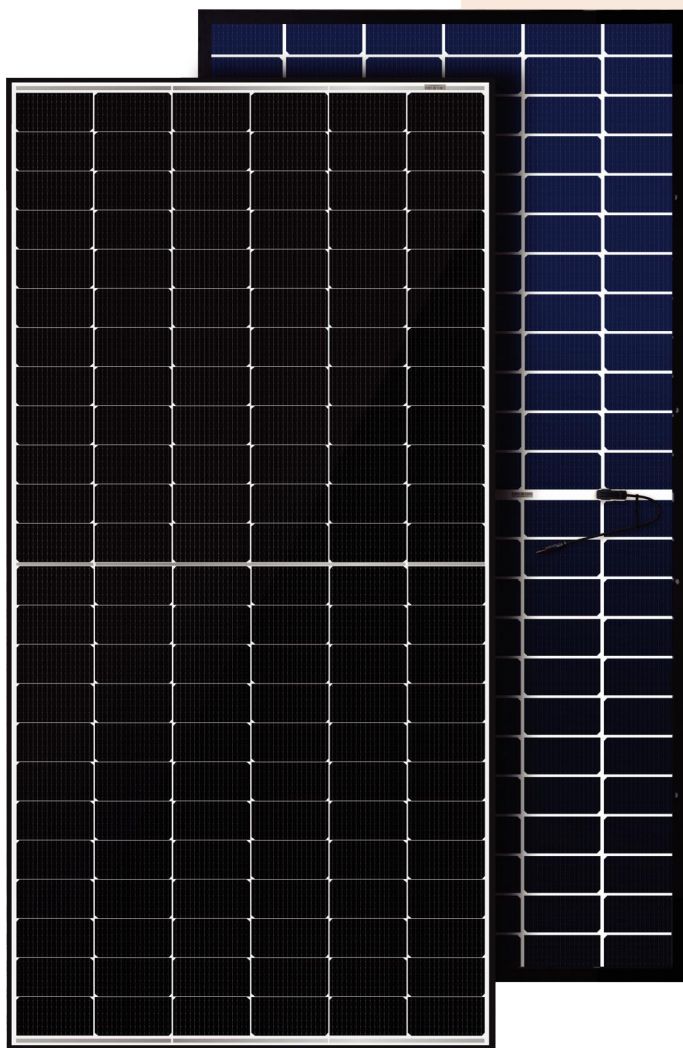




DXM8-72HBG

N Dual Glass

DXM8-72HBG 590W

DXM8-72HBG 600W

DXM8-72HBG 610W

**Bifacial TOPCon Module
with Dual Glass**



Super Multi-Busbar Technology

Sub-millimeter level Precision welding reduces cell crack and micro-cracks, enhancing durability and performance.

Low Degradation

N-TOPCon technology extends a 30-year linear performance warranty, safeguarding consumers' ROI.

Engineered for Extremes

Third party tested for 2400Pa back and 5400Pa front loads; resistant to damp heat.

Fire Safety Certified

Module certificated for Class A Fire Resistance Rating (UL 790) for superior safety.

Bi-facial Power

Achieves up to 15% additional back side power gain with excellent temperature efficiency.

Tech Specs:

	STC		
Rated Power(Pmax):	590W	600W	610W
Maximum Power (Pmax):	590W	600W	610W
Rated Voltage at Pmax (Vmp):	42.7V	42.9V	43.1V
Rated Current at Pmax (Imp):	13.82A	13.99A	14.15A
Open-Circuit Voltage (Voc ± 3.5%):	51.7V	52.1V	52.5V
Short-Circuit Current (Isc ± 5.0%):	14.52A	14.64A	14.76A
Module Efficiency (nm):	22.8%	23.2%	23.6%
Maximum System Voltage:	1500VDC		
Safety Class:	Class II		
Fire Resistance Class:	Class A		
Maximum Over-Current Rating:	30A		
Operating Temperature:	85% Rh, -40℃ ~ +85℃		
Mechanical Load (Front):	+5400Pa		
Mechanical Load (Back):	-2400Pa		
Maximum Hailstone Impact (Impact Velocity @ 23m/s):	25mm		
Power Sorting Tolerance:	± 5W		
Power Measurement Tolerance:	± 3.5%		

BNPI			Bifacial Gain with 5%		
590W	600W	610W	590W	600W	610W
645W	655W	665W	620W	630W	641W
42.91V	43.10V	43.26V	42.91V	43.10V	43.26V
15.03A	15.20A	15.37A	14.42A	14.62A	14.82A
51.23V	51.46V	51.69V	51.34V	51.58V	51.79V
16.06A	16.26A	16.46A	15.41A	15.61A	15.81A

· STC: Irradiance 1000W/m², Cell Temperature 25℃, Air Mass AM1.5 (According to E N60904-3)

· BNPI: Irradiance: front 1000W/m², rear 135W/m², Cell Temperature 25℃, AM=1.5

· Average efficiency reduction or 4.5% at 200W/m² according to EN60904-1

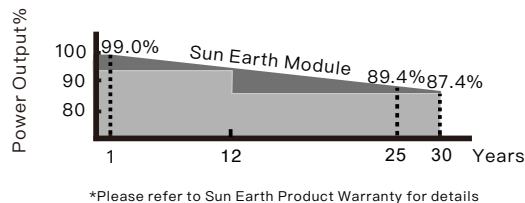
[T98] max value: 70 degrees Celsius

Construction Specification:

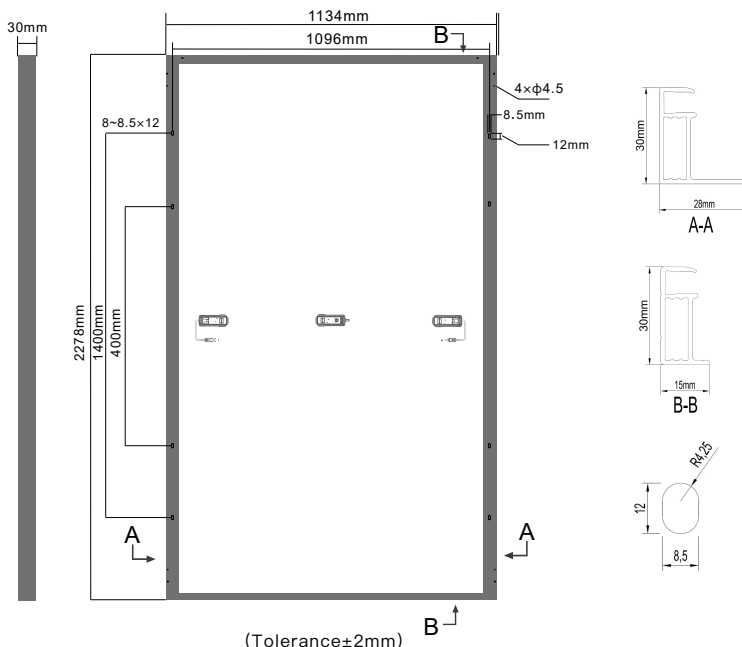
Front Cover:	Anti-Reflection Coating Glass/2.0mm
Back Cover:	Heat Strengthened Glass/2.0mm
Cell:	144Pieces mono-crystalline n-type solar cell
Anodised Aluminum Alloy Frame:	● Silver ● Black
Junction Box:	Protection rating IP68
Cable:	4mm ² PV cable
Cable Length:	(+):400mm, (-):300mm, or customised
Connector Manufacturer:	Ningbo huayu Photovoltaic Technology Co.,Ltd
Connector Model Number:	PV-H4
Dimension(L*W*H) :	2278 × 1134 × 30mm
Weight:	32.0 ± 3%kg
Country of manufacturer:	China

Packaging:

Container:	36 pcs/pallets, 72 pcs/stack, 720 pcs/ 40'HQ Container
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Demensions



Thermal Characteristics:

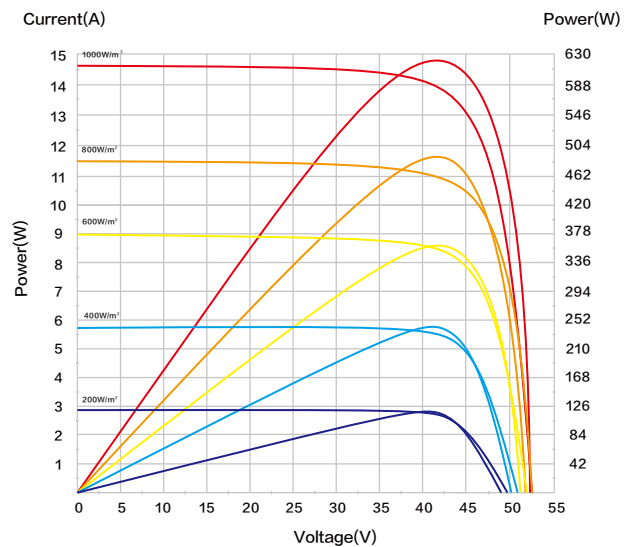
Bifaciality Coefficient: φ Voc: 99 ± 5%, φ Isc: 80 ± 5%, φ Pmax: 80 ± 10%

Temperature Coefficient of Pmax (vPmp): -0.29%/℃

Temperature Coefficient of Voc (BVoc): -0.23%/℃

Temperature Coefficient of Isc (alsc): +0.04%/℃

I-V Curve (560-610W)



Temperature Dependence of Isc, Voc, Pmax

