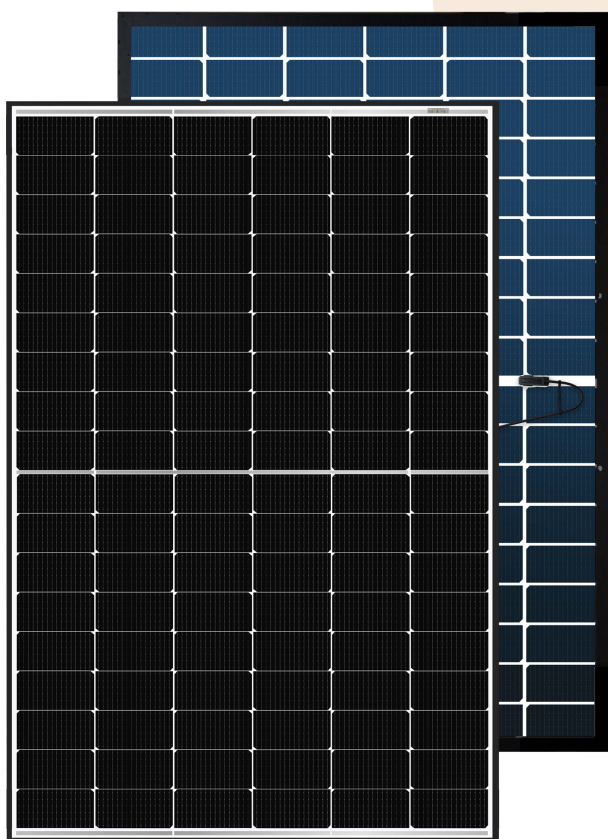




O DXM8-54HBG

N Dual Glass

DXM8-54HBG 440W

DXM8-54HBG 450W

DXM8-54HBG 455W

**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			BNPI			Bifacial Gain with 5%		
Rated Power(Pmax):	440W	450W	455W	440W	450W	455W	440W	450W	455W
Maximum Power (Pmax):	440W	450W	455W	480W	490W	495W	462W	473W	478W
Rated Voltage at Pmax (Vmp):	32.0V	32.2V	32.3V	33.95V	34.17V	34.39V	33.95V	34.17V	34.39V
Rated Current at Pmax (Imp):	13.75A	13.98A	14.09A	14.14A	14.34A	14.39A	13.61A	13.85A	13.90A
Open-Circuit Voltage (Voc±3.5%):	38.7V	39.1V	39.3V	40.50V	40.90V	41.10V	40.63V	40.89V	41.11V
Short-Circuit Current (Isc±5.0%):	14.46A	14.62A	14.70A	15.13A	15.34A	15.44A	14.53A	14.77A	14.89A
Module Efficiency (nm):	22.5%	23.0%	23.3%						
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%								

- STC: Irradiance 1000W/m², Cell Temperature 25℃, Air Mass AM1.5 (According to EN60904-3)
- 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

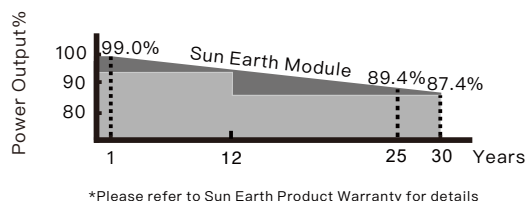
[T98] max value: 70 degrees Celsius

Construction Specification:

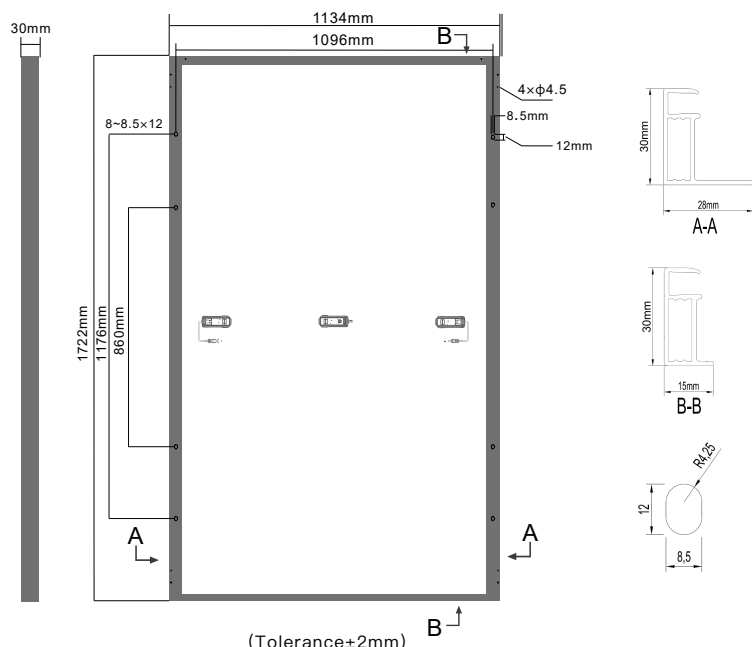
Front Cover:	Anti-Reflection Coating Glass/2.0mm
Back Cover:	Heat Strengthened Glass/2.0mm
Cell:	108Pieces mono-crystalline n-type solar cell
Anodised Aluminum Alloy Frame:	● Silver ● Black
Junction Box:	Protection rating IP68
Cable:	4mm ² PV cable
Cable Length: Connector:	(+):400mm, (-):300mm; or customised
Connector Manufacturer:	Ningbo huayu Photovoltaic Technology Co.,Ltd
Connector Model Number:	PV-H4
Dimension (L*W*H):	1722 x 1134 x 30mm
Weight:	24.0 ± 3%kg
Country of manufacturer:	China

Packaging:

Container: 36 pcs/pallets, 72 pcs/stack, 936 pcs/ 40'HQ Container



Dimensions

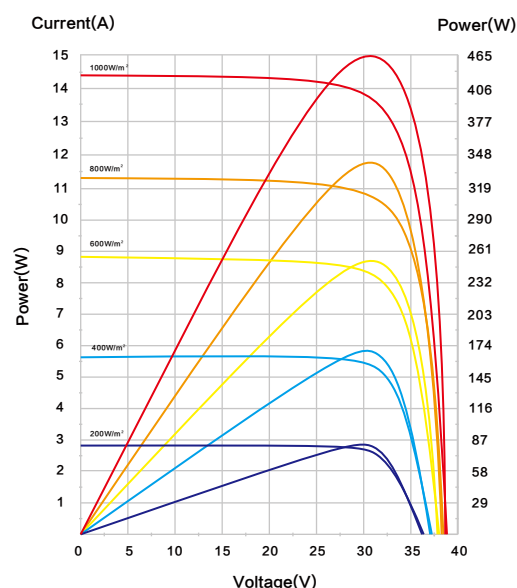


Ningbo Sun Earth East Solar Co.,Ltd.

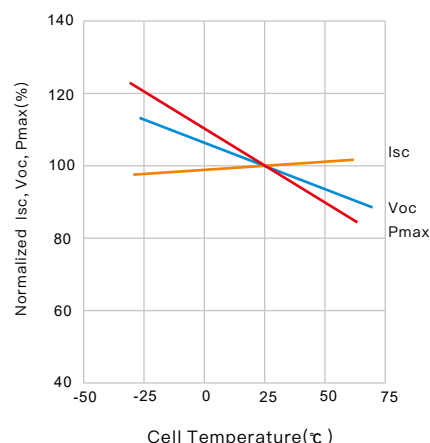
Thermal Characteristics:

Bifaciality Coefficient: φ Voc:	99 ± 5%
Temperature Coefficient of Pmax (vPmp):	-0.29%/℃
Temperature Coefficient of Voc (BVoc):	-0.23%/℃
Temperature Coefficient of Isc (alsc):	+0.04%/℃

I-V Curve(410W~455W)



Temperature Dependence of Isc, Voc, Pmax



Room 01, Building 9, No.9, Chenshan West Road, Xiaogang Sub-district, Beilun District, 315803 Ningbo City Zhejiang, China