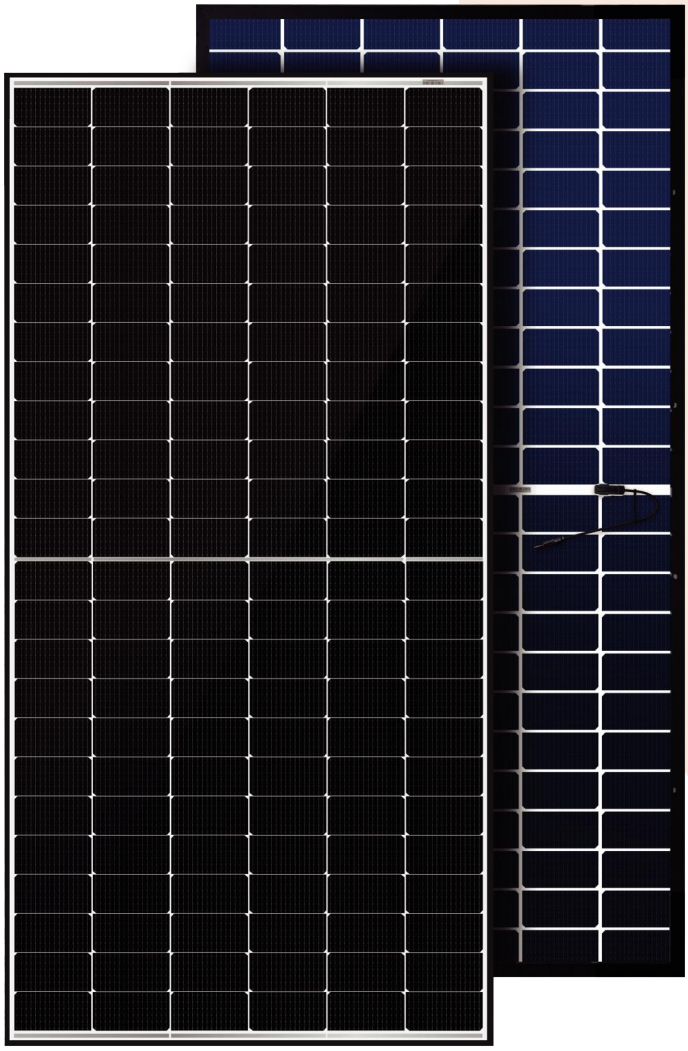
Sun-Earth



DXM8-72HBG

N Dual Glass

560W~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 and salt mist.

PID Free

Guaranteed no Potential Induced Degradation, ensuring consistent performance.

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.

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Tech Specs:

	STC						BNPI					
Rated Power(Pmax):	560W	570W	580W	590W	600W	610W	560W	570W	580W	590W	600W	610W
Maximum Power (Pmax):	560W	570W	580W	590W	600W	610W	616W	627W	638W	651W	662W	673W
Rated Voltage at Pmax (Vmp):	42.1V	42.3V	42.5V	42.7V	42.9V	43.1V	42.37V	42.55V	42.73V	42.91V	43.10V	43.26V
Rated Current at Pmax (Imp):	13.30A	13.48A	13.65A	13.82A	13.99A	14.15A	14.54A	14.74A	14.93A	15.17A	15.36A	15.56A
Open-Circuit Voltage (Voc):	50.5V	50.9V	51.3V	51.7V	52.1V	52.5V	50.59V	50.83V	51.08V	51.34V	51.58V	51.79V
Short-Circuit Current (Isc):	14.11A	14.25A	14.39A	14.52A	14.64A	14.76A	14.48A	15.70A	15.92A	16.16A	16.39A	16.58A
Module Efficiency (nm):	21.7%	22.1%	22.5%	22.8%	23.2%	23.6%						

Maximum System Voltage:	1500VDC
Application Class:	Class A
Fire Resistance Class:	Class A
Maximum Over-Current Rating:	30A
Operating Temperature:	85% Rh, -40℃~+85℃
Maximum Snow Loads(Front):	5400Pa
Maximum Wind Loads (Front&Back) :	2400Pa
Maximum Hailstone Impact (Impact Velocity @ 23m/s):	25mm

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

Construction Specification:

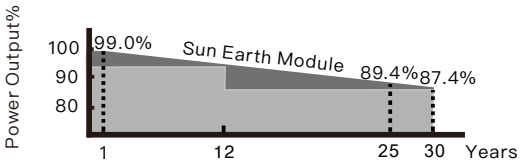
Front Cover:	Anti-Reflection Coating Glass/2.0mm
Back Cover:	Heat Strengthened Glass/2.0mm
Cell:	144Pieces mono-crystaline n-type solar cell
Anodised Aluminum Alloy Frame:	Silver ●Black
Junction Box:	Protection rating IP68
Cable:	4mm² PV cable
Cable Length:	(+):400mm, (-):300mm, or customised
Connector:	Protection rating IP68
Dimension(L*W*H) :	2278×1134×30mm
Weight:	32.0±3%kg

Thermal Characteristics:

Bifaciality Coefficient: ϕVoc:99±5%, ϕIsc:80±5%, ϕPmax:80±10%	
Temperature Coefficient of Pmax (vPmp):	-0.29%/℃
Temperature Coefficient of Voc (BVoc):	-0.23%/℃
Temperature Coefficient of Isc (alsc):	+0.04%/℃

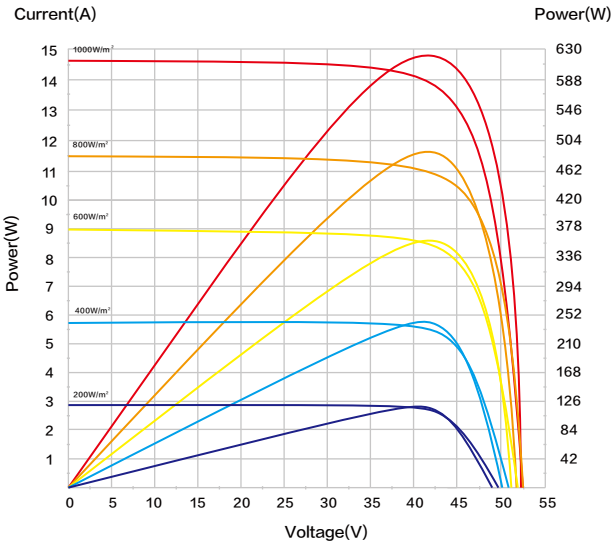
Packaging:

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

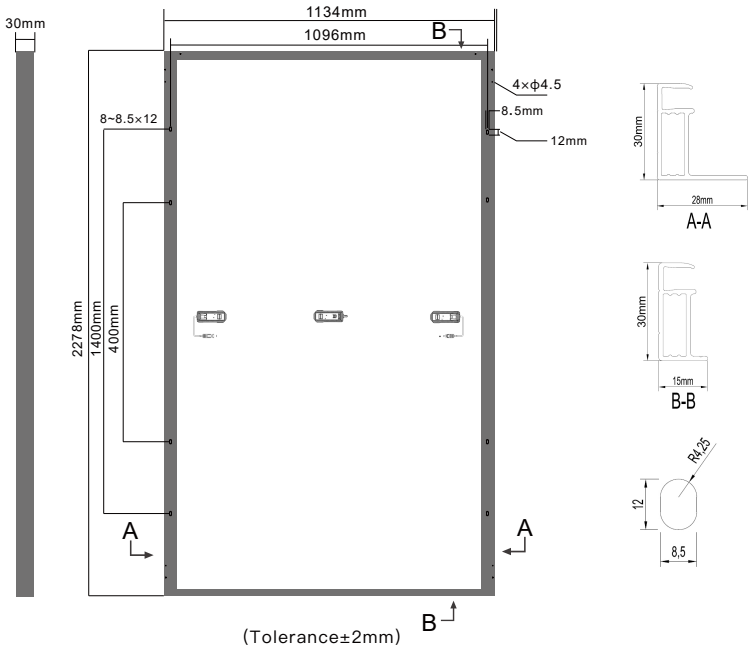


*Please refer to Sun Earth Product Warranty for details

I-V Curve (560-610W)



Demensions



Temperature Dependence of Isc, Voc, Pmax

