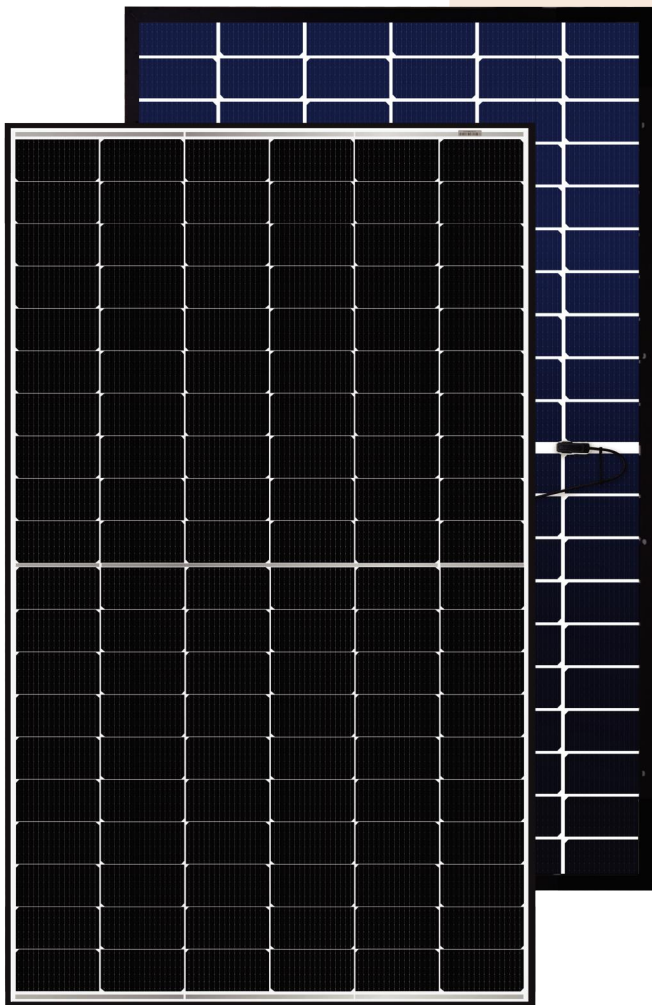




 **DXM8-60HBG**

N Dual Glass
460W~505W

**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.

Tech Specs:

	STC						BNPI					
Rated Power(Pmax):	460W	470W	480W	490W	500W	505W	460W	470W	480W	490W	500W	505W
Maximum Power (Pmax):	460W	470W	480W	490W	500W	505W	508W	519W	528W	541W	552W	557W
Rated Voltage at Pmax (Vmp):	35.0V	35.2V	35.4V	35.6V	35.8V	35.9V	36.72V	37.06V	37.42V	37.80V	38.16V	38.34V
Rated Current at Pmax (Imp):	13.14A	13.35A	13.56A	13.76A	13.97A	14.07A	13.84A	13.99A	14.11A	14.32A	14.47A	14.53A
Open-Circuit Voltage (Voc):	41.8V	42.2V	42.6V	43.0V	43.4V	43.6V	43.67V	44.12V	44.57V	45.05V	45.51V	45.74V
Short-Circuit Current (Isc):	14.00A	14.17A	14.34A	14.49A	14.63A	14.70A	14.69A	14.87A	15.05A	15.23A	15.47A	15.50A
Module Efficiency (nm):	21.3%	21.7%	22.2%	22.6%	23.1%	23.3%						
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

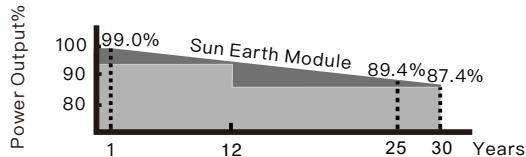
· Average efficiency reduction or 4.5% at 200W/m² according to EN60904-1

Construction Specification:

Front Cover:	Anti-Reflection Coating Glass/2.0mm
Back Cover:	Heat Strengthened Glass/2.0mm
Cell:	120Pieces 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:	Protection rating IP68
Dimension(L*W*H) :	1908×1134×30mm
Weight:	26.5±3%kg

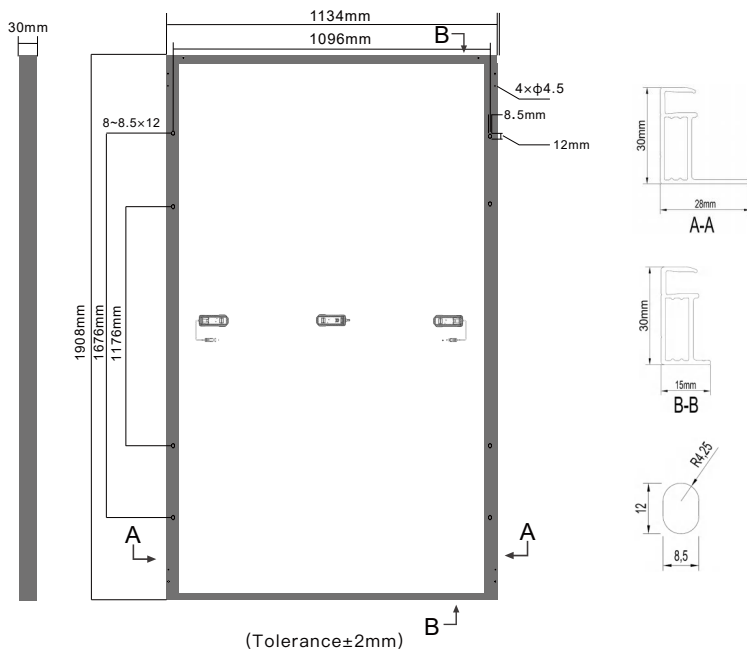
Packaging:

Container:	36 pcs/pallets, 72 pcs/stack, 864 pcs/ 40'HQ Container
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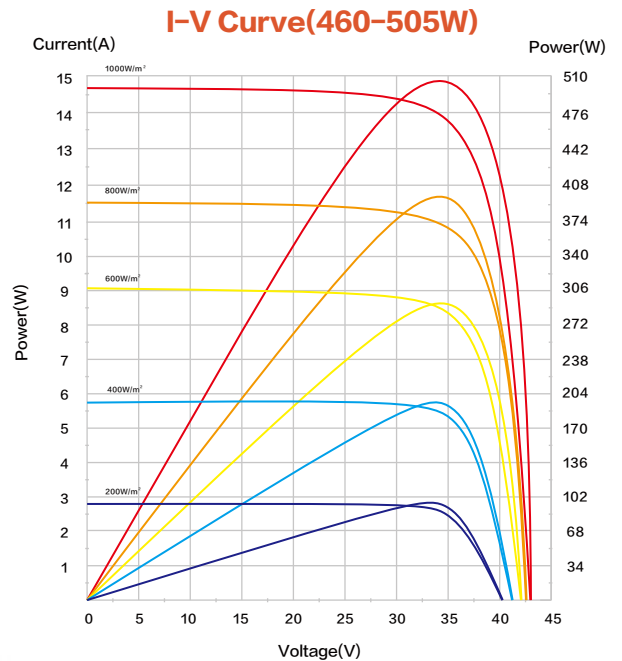
*Please refer to Sun Earth Product Warranty for details

Dimensions



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%/℃



Temperature Dependence of Isc, Voc, Pmax

