

## **O** DXM8-60HBG

### **N Dual Glass**

**DXM8-60HBG 490W**

**DXM8-60HBG 500W**

**DXM8-60HBG 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.

### **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):	490W	500W	505W
Maximum Power (Pmax):	490W	500W	505W
Rated Voltage at Pmax (Vmp):	35.6V	35.8V	35.9V
Rated Current at Pmax (Imp):	13.76A	13.97A	14.07A
Open-Circuit Voltage (Voc ± 3.5%):	43.0V	43.4V	43.6V
Short-Circuit Current (Isc ± 5.0%):	14.49A	14.63A	14.70A
Module Efficiency (nm):	22.6%	23.1%	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%		

BNPI			Bifacial Gain with 5%		
490W	500W	505W	490W	500W	505W
535W	545W	550W	515W	525W	531W
37.80V	38.16V	38.34V	37.80V	38.16V	38.34V
14.15A	14.28A	14.35A	13.62A	13.76A	13.85A
44.85V	45.26V	45.51V	45.05V	45.51V	45.74V
15.16A	15.32A	15.42A	14.53A	14.71A	14.80A

· STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25℃, Air Mass AM1.5 (According to E N60904-3)

· BNPI: Irradiance: front 1000W/m<sup>2</sup>, rear 135W/m<sup>2</sup>, Cell Temperature 25℃, AM=1.5

· Average efficiency reduction or 4.5% at 200W/m<sup>2</sup> according to EN60904-1

[T98] max value: 70 degrees Celsius

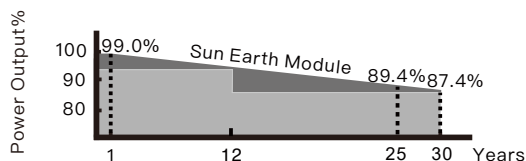
## Construction Specification:

Front Cover:	Anti-Reflection Coating Glass/2.0mm
Back Cover:	Heat Strengthened Glass/2.0mm
Cell:	120Pieces mono-crystalline n-type solar cell
Anodised Aluminum Alloy Frame:	● Silver ● Black
Junction Box:	Protection rating IP68
Cable:	4mm <sup>2</sup> 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) :	1908 × 1134 × 30mm
Weight:	26.5 ± 3%kg
Country of manufacturer:	China

Country of manufacturer:

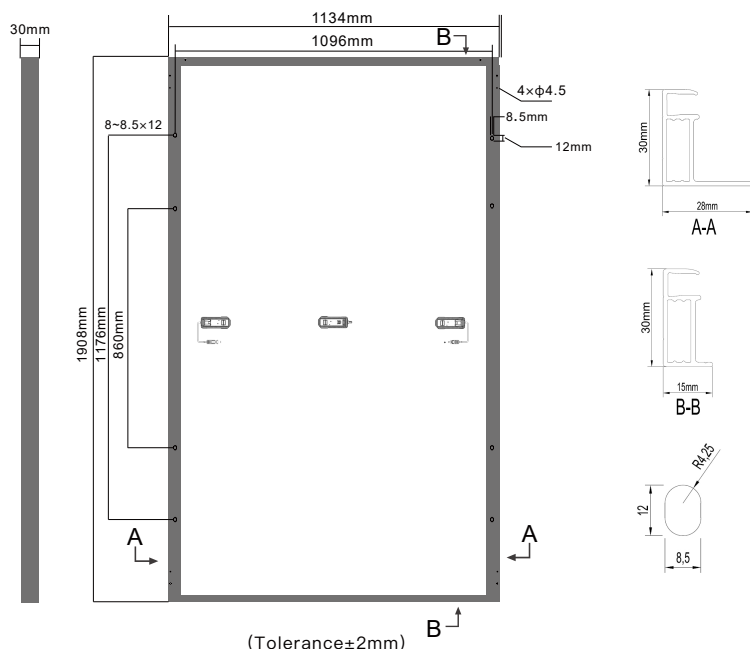
## Packaging:

Container: 36 pcs/pallets, 72 pcs/stack, 864 pcs/ 40'HQ Container



\*Please refer to Sun Earth Product Warranty for details

## Dimensions



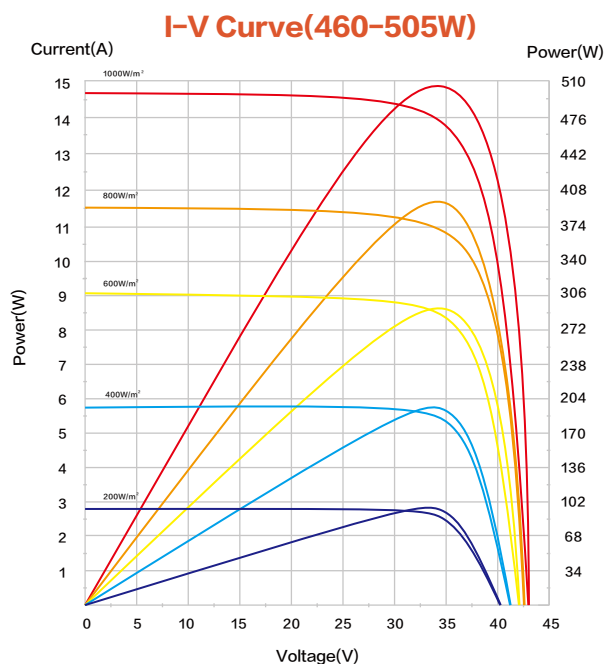
## Thermal Characteristics:

Bifaciality Coefficient:  $\phi$  Voc: 99 ± 5%,  $\phi$  Isc: 80 ± 5%,  $\phi$  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

