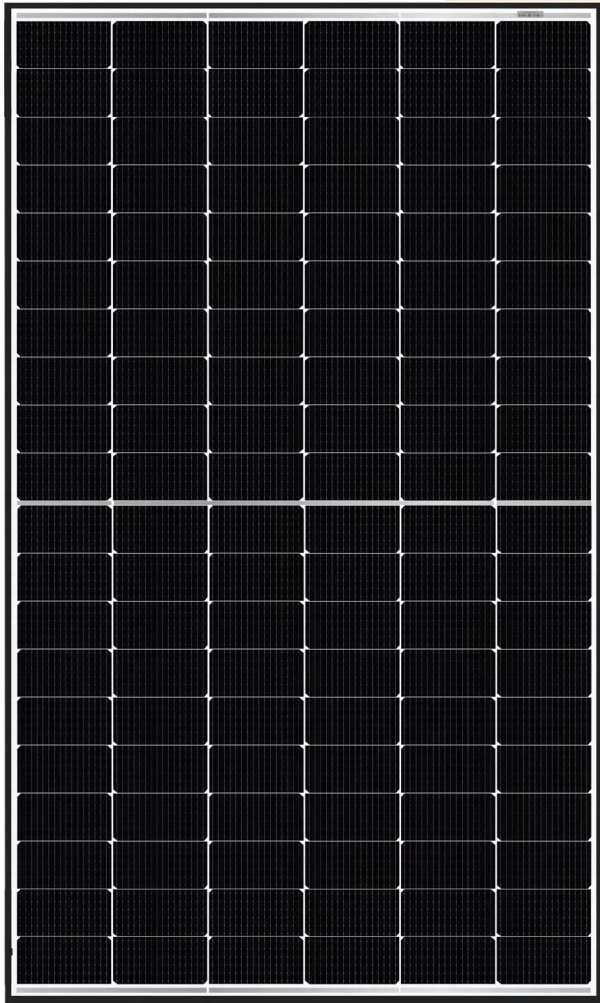


 DXM8-60H

N Mono
460W~505W

Classic TOPCon Module



○ **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 years 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.

Tech Specs:

STC

Rated Power(P _{max}):	460W	470W	480W	490W	500W	505W
Maximum Power (P _{max}):	460W	470W	480W	490W	500W	505W
Rated Voltage at P _{max} (V _{mp}):	35.0V	35.2V	35.4V	35.6V	35.8V	35.9V
Rated Current at P _{max} (I _{mp}):	13.14A	13.35A	13.56A	13.76A	13.97A	14.07A
Open-Circuit Voltage (V _{oc}):	41.8V	42.2V	42.6V	43.0V	43.4V	43.6V
Short-Circuit Current (I _{sc}):	14.00A	14.17A	14.34A	14.49A	14.63A	14.70A
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 C					
Maximum Over-Current Rating:	25A					
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					

NOCT

460W	470W	480W	490W	500W	505W
345.99W	353.51W	361.03W	368.55W	376.07W	379.84W
32.89V	33.08V	33.27V	33.46V	33.65V	33.74V
10.53A	10.70A	10.86A	11.03A	11.19A	11.27A
39.66V	40.04V	40.42V	40.80V	41.18V	41.37V
11.31A	11.45A	11.59A	11.71A	11.82A	11.88A

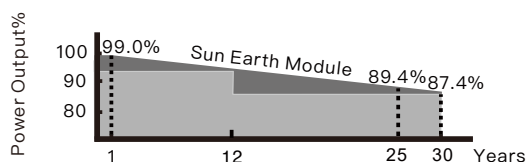
- STC: Irradiance 1000W/m², Cell Temperature 25℃, Air Mass AM1.5 (According to EN60904-3)
- NOCT: Irradiance 800W/m², Ambient Temperature 20℃, Wind Speed 1 m/s
- Average efficiency reduction or 4.5% at 200W/m² according to EN60904-1

Construction Specification:

Front Cover:	Anti-Reflection Coating Glass/3.2mm
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:	22.5±3%kg

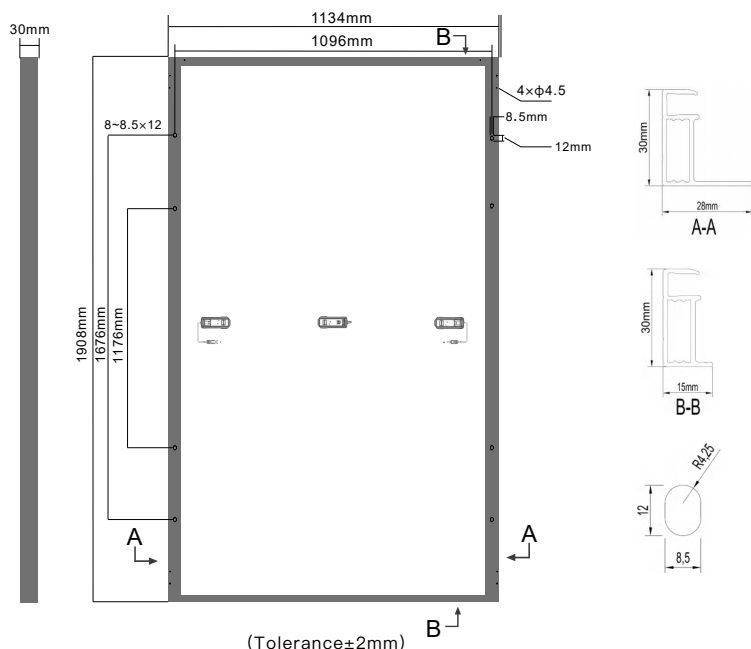
Packaging:

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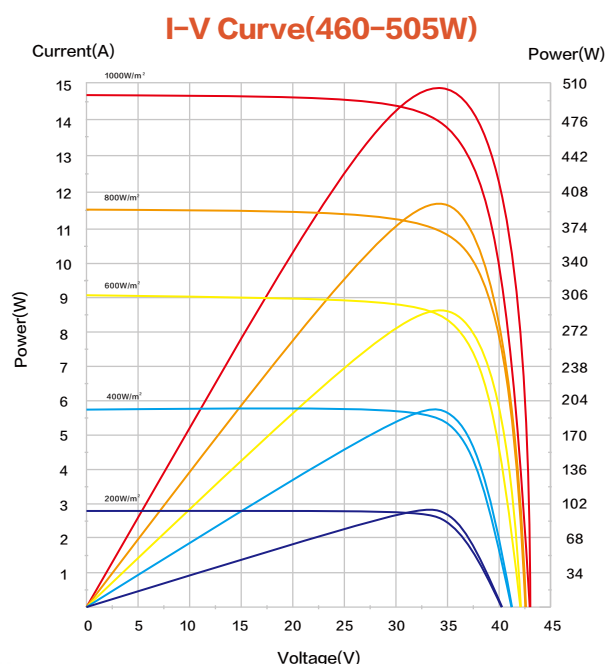
*Please refer to Sun Earth Product Warranty for details

Demensions



Thermal Characteristics:

Nominal Operating Cell Temperature (NOCT) :	45 ± 2℃
Temperature Coefficient of P _{max} (vP _{mp}):	-0.29%/℃
Temperature Coefficient of V _{oc} (BV _{oc}):	-0.23%/℃
Temperature Coefficient of I _{sc} (alsc):	+0.04%/℃



Temperature Dependence of I_{sc}, V_{oc}, P_{max}

