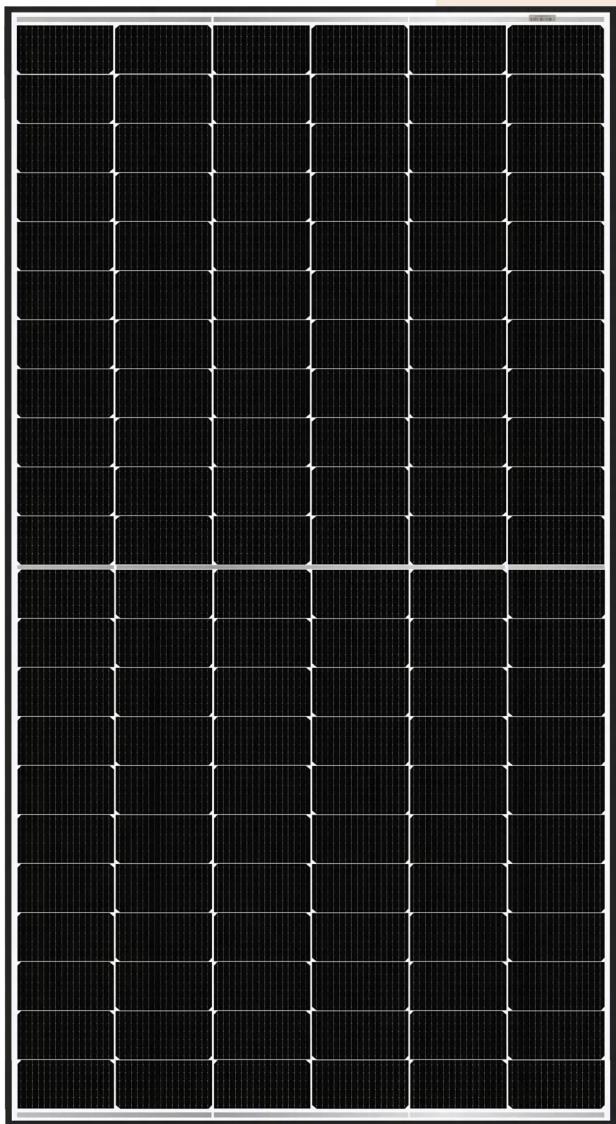




 DXM8-66H

N Mono
510W~555W

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}):	510W	520W	530W	540W	550W	555W
Maximum Power (P _{max}):	510W	520W	530W	540W	550W	555W
Rated Voltage at P _{max} (V _{mp}):	38.5V	38.7V	38.9V	39.1V	39.3V	39.4V
Rated Current at P _{max} (I _{mp}):	13.25A	13.44A	13.62A	13.81A	13.99A	14.09A
Open-Circuit Voltage (V _{oc}):	46.2V	46.6V	47.0V	47.4V	47.8V	48.0V
Short-Circuit Current (I _{sc}):	14.05A	14.20A	14.35A	14.49A	14.62A	14.69A
Module Efficiency (nm):	21.5%	21.9%	22.3%	22.7%	23.2%	23.4%
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

510W	520W	530W	540W	550W	555W
383.60W	391.12W	398.64W	406.16W	413.68W	417.44W
36.18V	36.37V	36.56V	36.75V	36.94V	37.03V
10.61A	10.76A	10.91A	11.06A	11.21A	11.28A
43.84V	44.22V	44.60V	44.98V	45.36V	45.55V
11.35A	11.48A	11.60A	11.71A	11.82A	11.87A

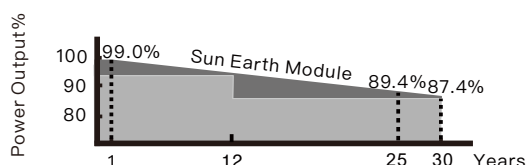
- STC: Irradiance 1000W/m², Cell Temperature 25℃, Air Mass AM1.5 (According to EN60904-3)
- NOCT: Irradiance 800W/m², Ambient Temperature 20℃, Wind Speed 1m/s
- Average efficiency reduction or 4.5% at 200W/m² according to EN60904-1

Construction Specification:

Front Cover:	Anti-Reflection Coating Glass/3.2mm
Cell:	144Pieces 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):	2094×1134×30mm
Weight:	25.0±3%kg

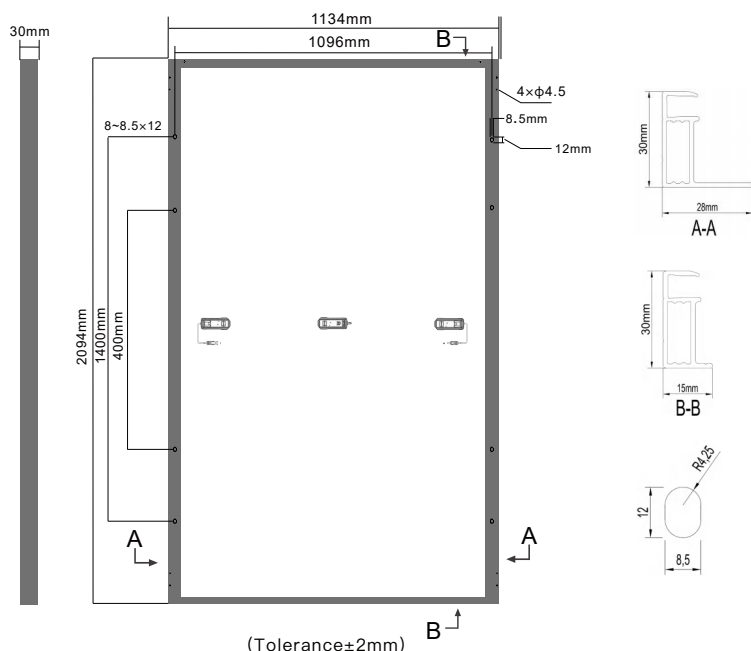
Packaging:

Container:	36 pcs/pallets, 72 pcs/stack, 792 pcs/ 40'HQ Container
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*Please refer to Sun Earth Product Warranty for details

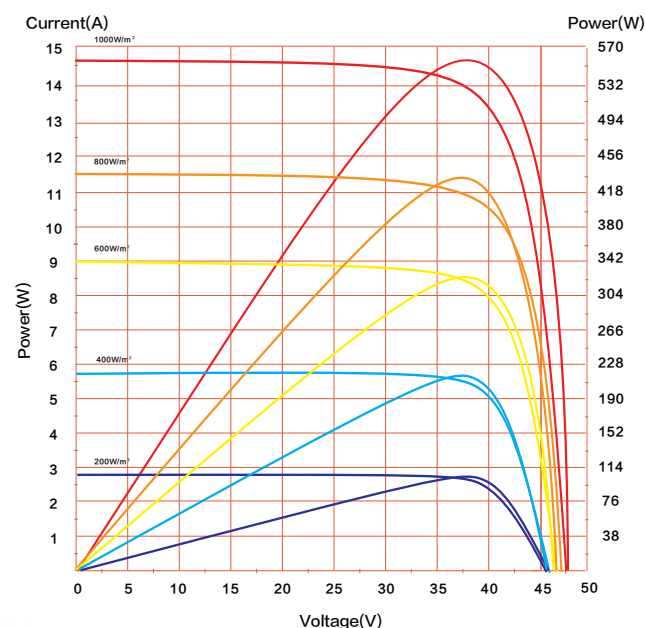
Dimensions



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} (aI _{sc}):	+0.04%/℃

I-V Curve (510-555W)



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

