



O DXM12-66H

N Mono
700W~740W

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}):	700W	705W	710W	720W	730W	740W
Maximum Power (P _{max}):	700W	705W	710W	720W	730W	740W
Rated Voltage at P _{max} (V _{mp}):	41.20V	41.40V	41.60V	42.00V	42.40V	42.80V
Rated Current at P _{max} (I _{mp}):	16.99A	17.03A	17.07A	17.15A	17.22A	17.29A
Open-Circuit Voltage (V _{oc}):	48.87V	49.04V	49.21V	49.65V	49.99V	50.33V
Short-Circuit Current (I _{sc}):	18.03A	18.06A	18.09A	18.15A	18.21A	18.27A
Module Efficiency (nm):	22.5%	22.7%	22.9%	23.2%	23.5%	23.8%
Maximum System Voltage:	1500VDC					
Protection Class:	Class II					
Fire Resistance Class:	Class C					
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					

NOCT

700W	705W	710W	720W	730W	740W
535.61W	539.43W	543.26W	550.91W	558.56W	566.21W
38.83V	39.02V	39.21V	39.58V	39.96V	40.34V
13.79A	13.82A	13.86A	13.92A	13.98A	14.03A
46.49V	46.65V	46.81V	47.23V	47.55V	47.88V
14.55A	14.57A	14.59A	14.64A	14.69A	14.74A

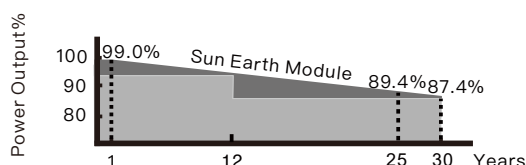
- STC: Irradiance 1000W/m², Cell Temperature 25℃, Air Mass AM1.5 (According to EN60904-3)
- NOCT: Irradiance 800W/m², Ambient Temperature 20℃, Wind Speed 1m/s
- Average efficiency reduction or 4.5% at 200W/m² according to EN60904-1

Construction Specification:

Front Cover:	Anti-Reflection Coating Glass/3.2mm
Cell:	132Pieces 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):	2384 × 1303 × 30mm
Weight:	32.0 ± 3%kg

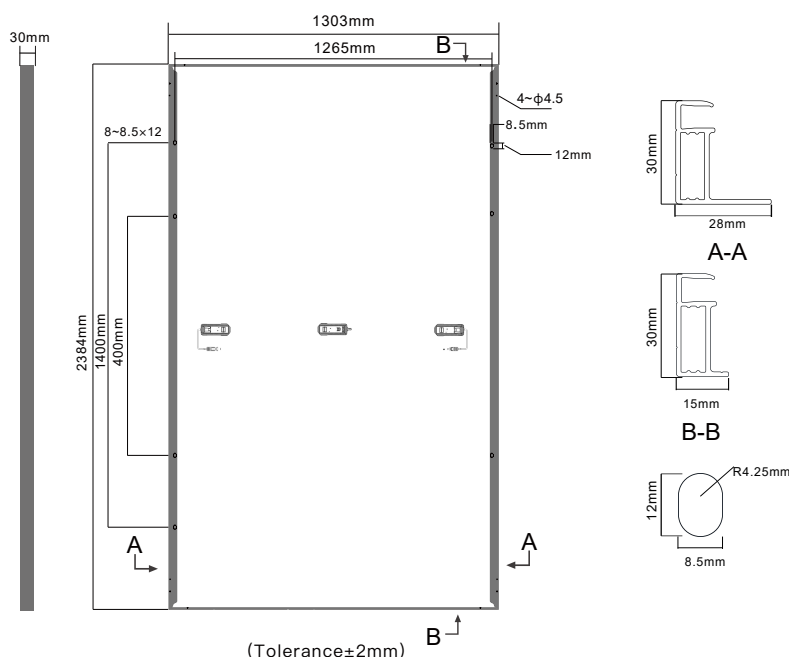
Packaging:

Container:	36 pcs/pallets, 648pcs/ 40'HQ Container
------------	---



*Please refer to Sun Earth Product Warranty for details

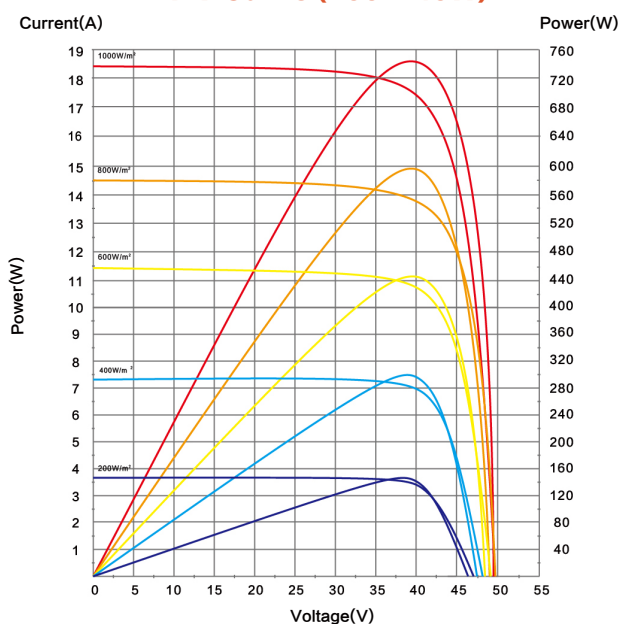
Dimensions



Thermal Characteristics:

Nominal Operating Cell Temperature (NOCT):	43 ± 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 (700-740W)



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

