

 DXM10-54H

**N Mono**  
**505W~530W**

**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						NOCT					
	505W	510W	515W	520W	525W	530W	505W	510W	515W	520W	525W	530W
Rated Power(Pmax):	505W	510W	515W	520W	525W	530W	386.40W	390.23W	394.05W	397.88W	401.71W	405.53W
Maximum Power (Pmax):	505W	510W	515W	520W	525W	530W	32.23V	32.42V	32.61V	32.80V	32.98V	33.17V
Rated Voltage at Pmax (Vmp):	34.20V	34.40V	34.60V	34.80V	35.00V	35.20V	11.99A	12.04A	12.09A	12.13A	12.17A	12.22A
Rated Current at Pmax (Imp):	14.77A	14.83A	14.89A	14.95A	15.00A	15.06A	38.51V	38.67V	38.83V	38.99V	39.15V	39.31V
Open-Circuit Voltage (Voc):	40.48V	40.65V	40.80V	40.99V	41.16V	41.33V	12.63A	12.67A	12.71A	12.75A	12.79A	12.83A
Short-Circuit Current (Isc):	15.65A	15.70A	15.75A	15.80A	15.85A	15.90A						
Module Efficiency (nm):	22.7%	22.9%	23.2%	23.4%	23.6%	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°C ~ +85°C											
Maximum Snow Loads(Front):	5400Pa											
Maximum Wind Loads (Front&Back):	2400Pa											
Maximum Hailstone Impact (Impact Velocity @ 23m/s):	25mm											

- STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 (According to EN60904-3)
- NOCT: Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1 m/s
- Average efficiency reduction or 4.5% at 200W/m<sup>2</sup> according to EN60904-1

## Construction Specification:

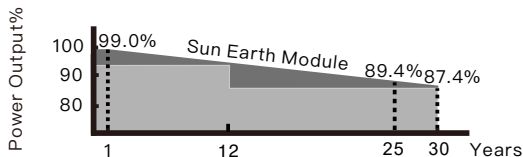
Front Cover:	Anti-Reflection Coating Glass/3.2mm
Cell:	108Pieces mono-crystalline n-type solar cell
Anodised Aluminum Alloy Frame:	● Silver ● Black
Junction Box:	Protection rating IP68
Cable:	4mm <sup>2</sup> PV cable
Cable Length:	(+):400mm, (-):300mm; or customised
Connector:	Protection rating IP68
Dimension(L*W*H):	1961 × 1134 × 30mm
Weight:	23.0 ± 3%kg

## Thermal Characteristics:

Nominal Operating Cell Temperature (NOCT):	43 ± 2°C
Temperature Coefficient of Pmax (vPmp):	-0.29%/°C
Temperature Coefficient of Voc (BVoc):	-0.23%/°C
Temperature Coefficient of Isc (also):	+0.04%/°C

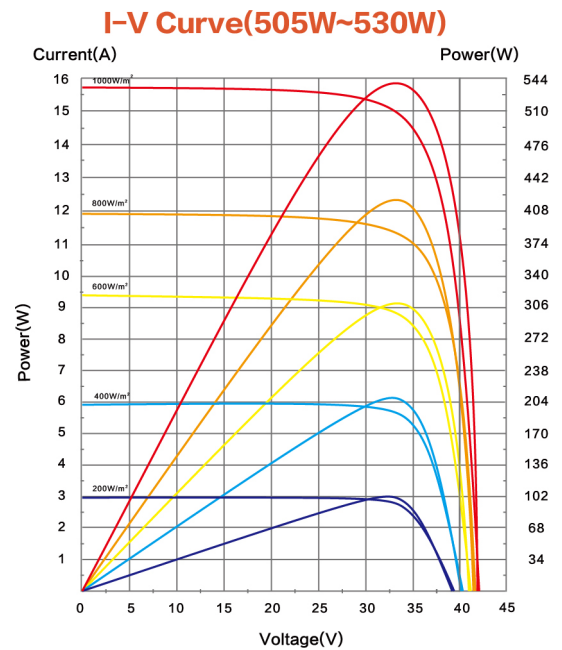
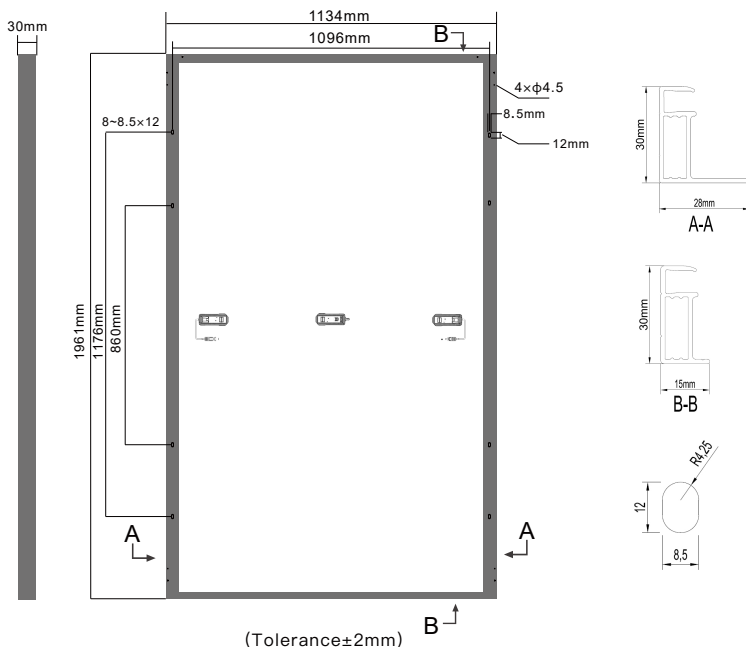
## Packaging:

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



### Temperature Dependence of Isc, Voc, Pmax

