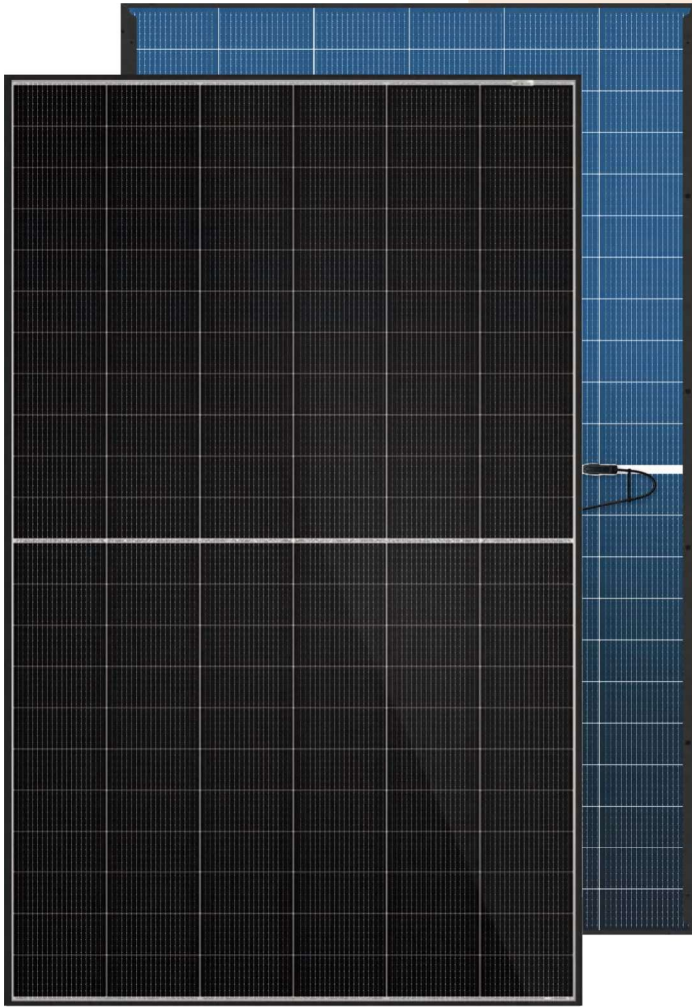




 **DXM12-66HBG**

N Dual Glass
700W~740W

**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 and salt mist.

PID Free

Guaranteed no Potential Induced Degradation, ensuring consistent performance.

Fire Safety Certified

Module certificated for Class C 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):	700W	705W	710W	720W	730W	740W
Maximum Power (Pmax):	700W	705W	710W	720W	730W	740W
Rated Voltage at Pmax (Vmp):	41.20V	41.40V	41.60V	42.00V	42.40V	42.80V
Rated Current at Pmax (Imp):	16.99A	17.03A	17.07A	17.15A	17.22A	17.29A
Open-Circuit Voltage (Voc):	48.87V	49.04V	49.21V	49.65V	49.99V	50.33V
Short-Circuit Current (Isc):	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:	35A					
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					

BNPI					
700W	705W	710W	720W	730W	740W
772W	778W	783W	794W	805W	816W
41.19V	41.39V	41.59V	41.99V	42.39V	42.79V
18.76A	18.80A	18.85A	18.94A	19.01A	19.09A
48.85V	49.02V	49.19V	49.63V	49.97V	50.31V
19.92A	19.95A	19.99A	20.05A	20.12A	20.18A

· STC: Irradiance 1000W/m², Cell Temperature 25℃, Air Mass AM1.5 (According to E N60904-3)

· BNPI: Irradiance: front 1000W/m², rear 135W/m², Cell Temperature 25℃, AM=1.5

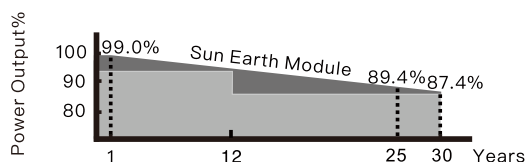
· Average efficiency reduction or 4.5% at 200W/m² according to EN60904-1

Construction Specification:

Front Cover:	Anti-Reflection Coating Glass/2.0mm
Back Cover:	Heat Strengthened Glass/2.0mm
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:	38.0 ± 3%kg

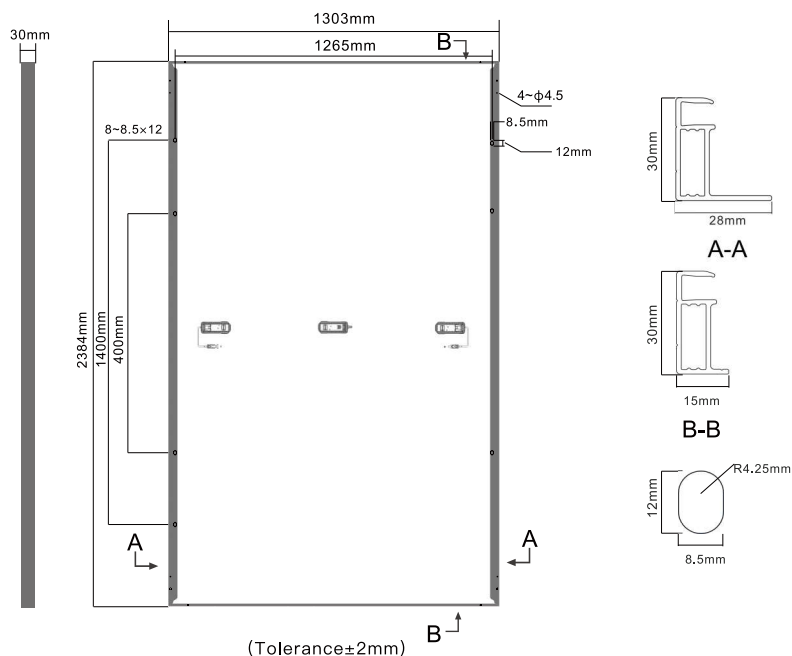
Packaging:

Container:	36 pcs/pallets, 648 pcs/ 40'HQ Container
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*Please refer to Sun Earth Product Warranty for details

Dimensions



Thermal Characteristics:

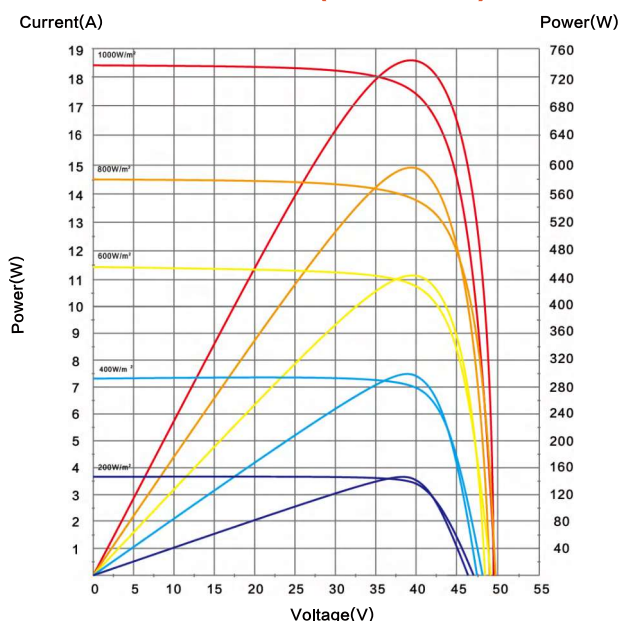
Bifaciality Coefficient: ϕ Voc: 99 ± 5%, ϕ Isc: 80 ± 10%, ϕ Pmax: 80 ± 10%

Temperature Coefficient of Pmax (vPmp): -0.29%/℃

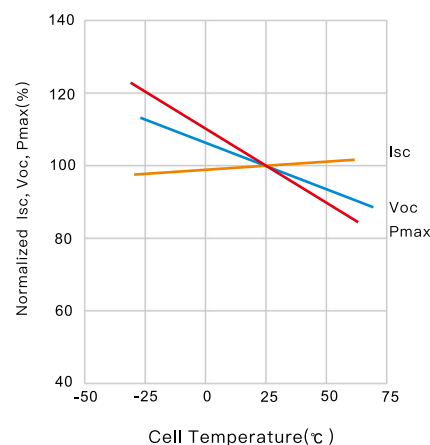
Temperature Coefficient of Voc (BVoc): -0.23%/℃

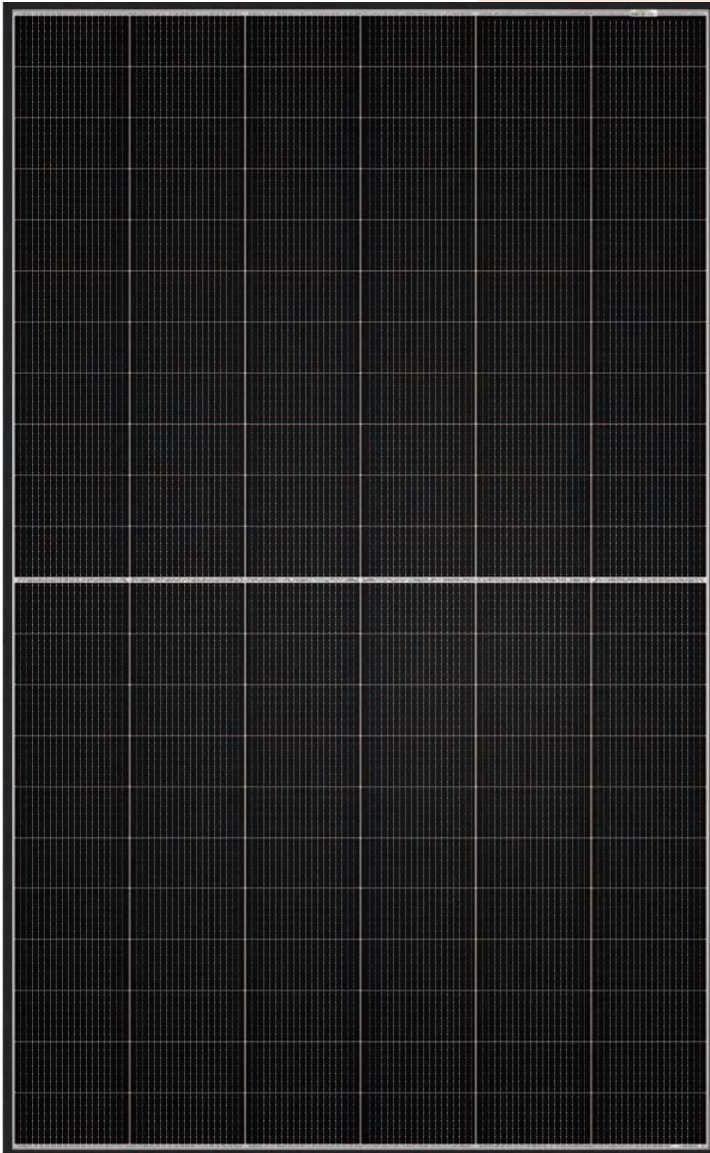
Temperature Coefficient of Isc (alsc): +0.04%/℃

I-V Curve (700-740W)



Temperature Dependence of Isc, Voc, Pmax





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

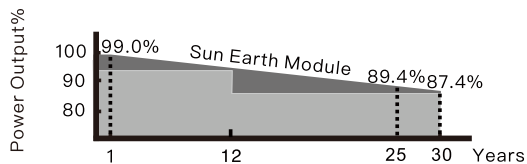
Construction Specification:

Thermal Characteristics:

Temperature Coefficient of Pmax (vPmp):	-0.29%/°C
Temperature Coefficient of Voc (BVoc):	-0.23%/°C
Temperature Coefficient of Isc (alsc):	+0.04%/°C

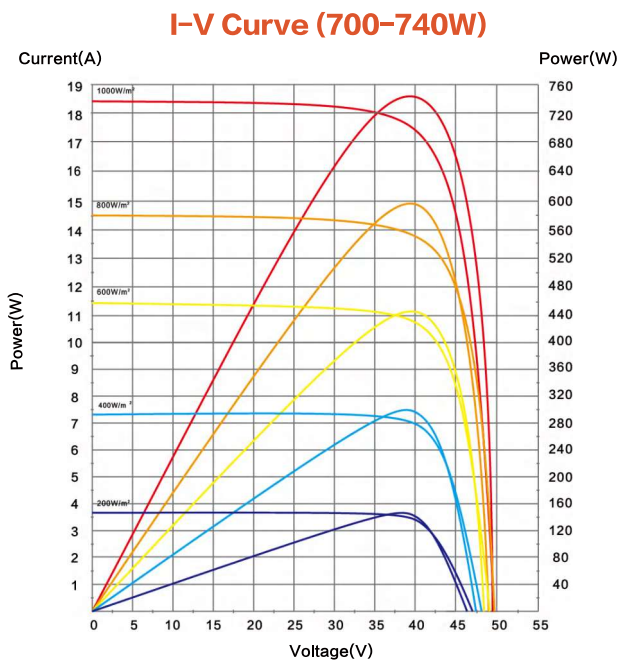
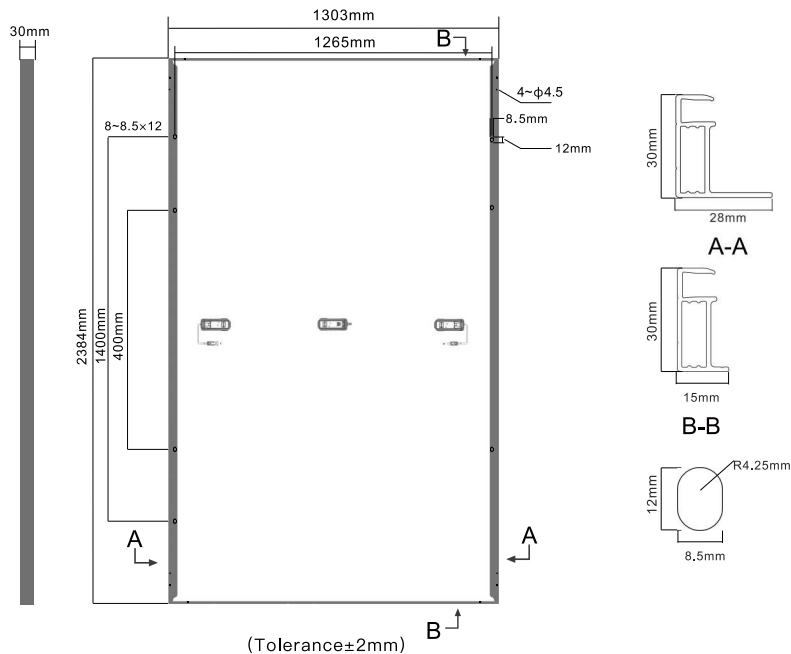
Packaging:

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

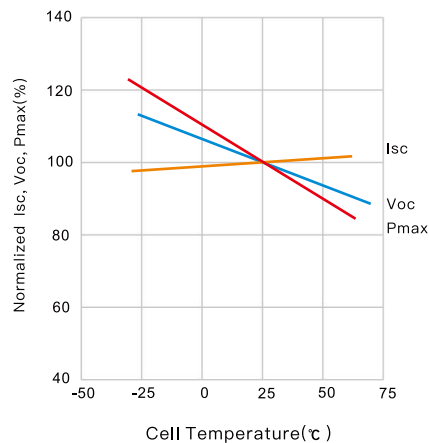


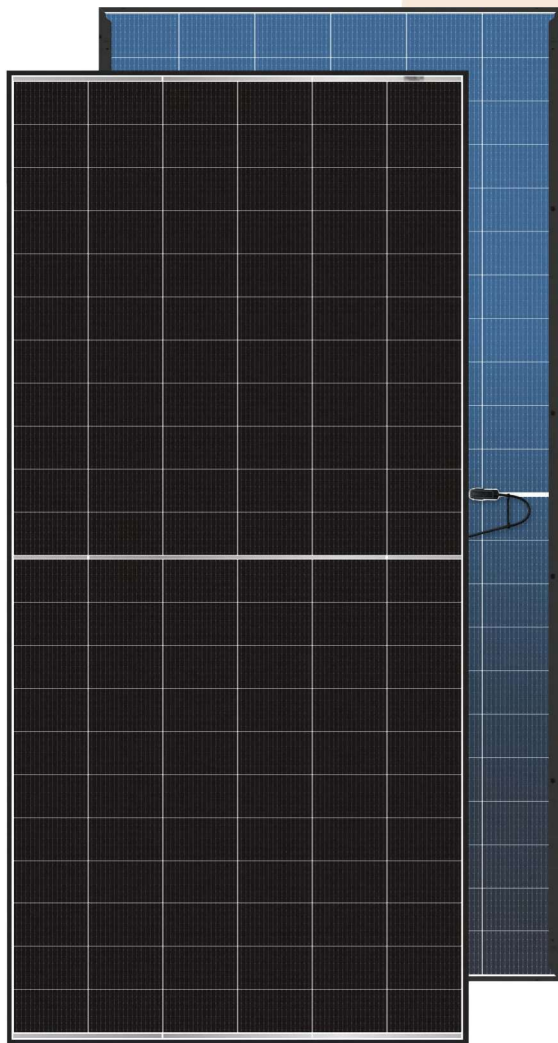
*Please refer to Sun Earth Product Warranty for details

Dimensions



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





 **DXM10-66HBG**

N Dual Glass
600W~650W

**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 and salt mist.

PID Free

Guaranteed no Potential Induced Degradation, ensuring consistent performance.

Fire Safety Certified

Module certificated for Class C 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):	600W	610W	620W	630W	640W	650W
Maximum Power (Pmax):	600W	610W	620W	630W	640W	650W
Rated Voltage at Pmax (Vmp):	41.10V	41.50V	41.90V	42.30V	42.70V	43.10V
Rated Current at Pmax (Imp):	14.60A	14.70A	14.80A	14.90A	14.99A	15.09A
Open-Circuit Voltage (Voc):	48.50V	48.90V	49.30V	49.70V	50.10V	50.50V
Short-Circuit Current (Isc):	15.64A	15.70A	15.76A	15.81A	15.87A	15.93A
Module Efficiency (nm):	22.2%	22.6%	23.0%	23.3%	23.7%	24.1%
Maximum System Voltage:	1500VDC					
Protection Class:	Class II					
Fire Resistance Class:	Class C					
Maximum Over-Current Rating:	35A					
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					

BNPI					
600W	610W	620W	630W	640W	650W
662W	673W	684W	695W	706W	717W
41.09V	41.49V	41.89V	42.29V	42.69V	43.09V
16.12A	16.23A	16.34A	16.45A	16.55A	16.66A
48.48V	48.88V	49.28V	49.68V	50.08V	50.48V
17.28A	17.35A	17.41A	17.47A	17.53A	17.60A

· STC: Irradiance 1000W/m², Cell Temperature 25℃, Air Mass AM1.5
(According to E N60904-3)

· BNPI: Irradiance: front 1000W/m², rear 135W/m², Cell Temperature 25℃, AM=1.5

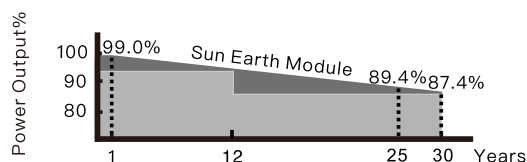
· Average efficiency reduction or 4.5% at 200W/m² according to EN60904-1

Construction Specification:

Front Cover:	Anti-Reflection Coating Glass/2.0mm
Back Cover:	Heat Strengthened Glass/2.0mm
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) :	2382×1134×30mm
Weight:	33.0±3%kg

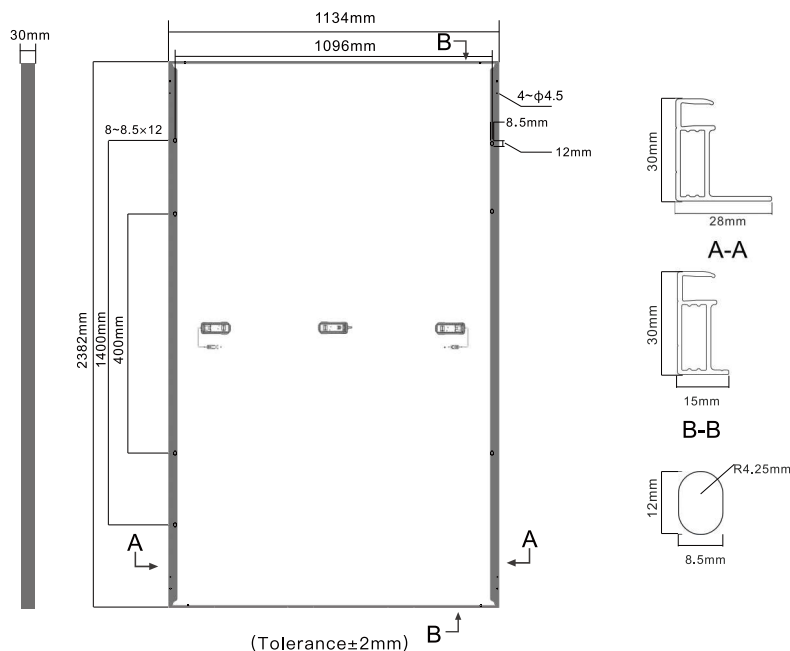
Packaging:

Container:	36 pcs/pallets, 72 pcs/stack, 720 pcs/ 40'HQ Container
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*Please refer to Sun Earth Product Warranty for details

Dimensions



Thermal Characteristics:

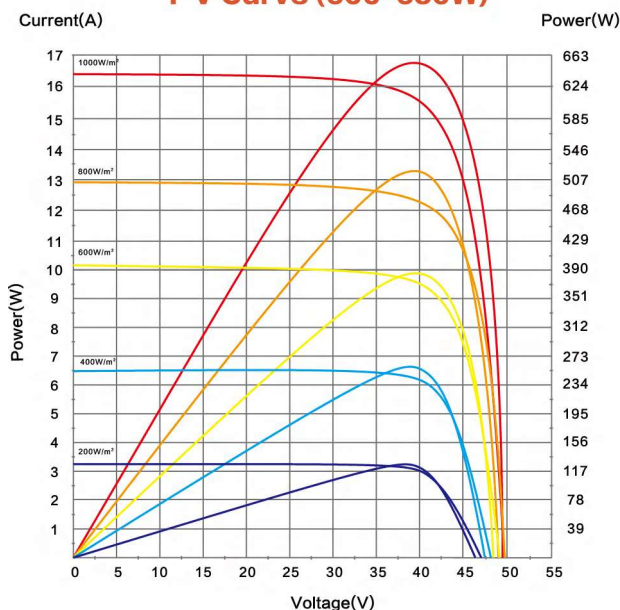
Bifaciality Coefficient: ϕ Voc: 99±5%, ϕ Isc: 80±10%, ϕ Pmax: 80±10%

Temperature Coefficient of Pmax (vPmp): -0.29%/℃

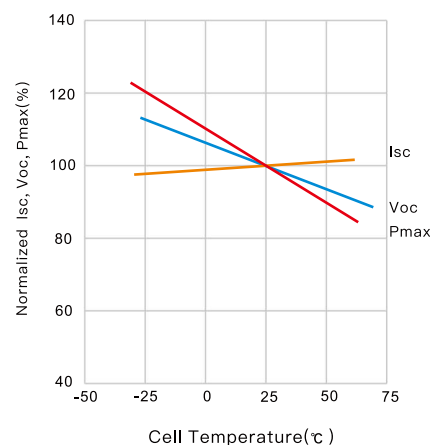
Temperature Coefficient of Voc (BVoc): -0.23%/℃

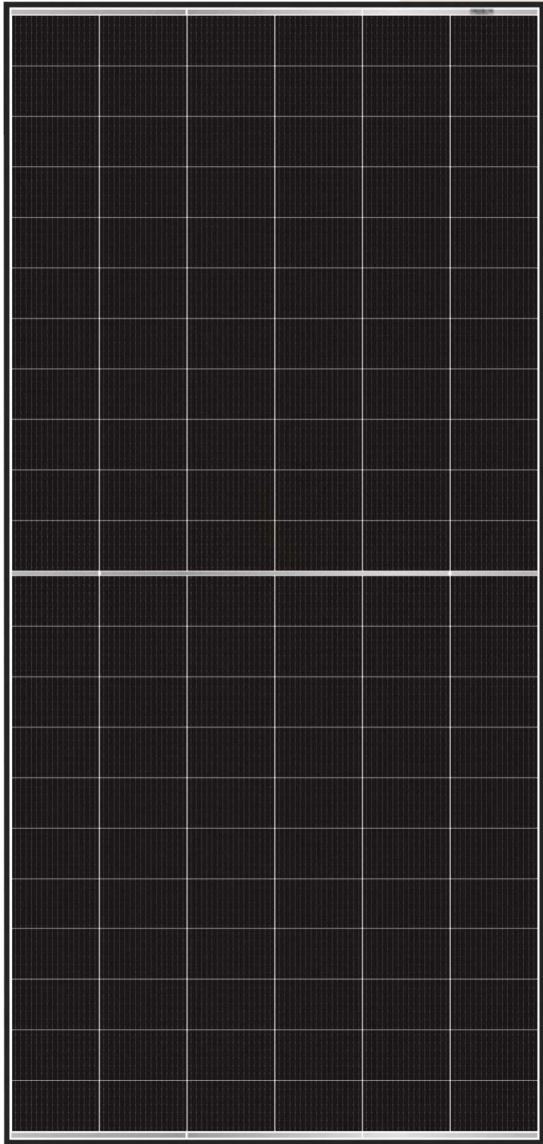
Temperature Coefficient of Isc (alsc): +0.04%/℃

I-V Curve (600-650W)



Temperature Dependence of Isc, Voc, Pmax





 **DXM10-66H**

N Mono
600W~650W

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}):	600W	610W	620W	630W	640W	650W
Maximum Power (P _{max}):	600W	610W	620W	630W	640W	650W
Rated Voltage at P _{max} (V _{mp}):	41.10V	41.50V	41.90V	42.30V	42.70V	43.10V
Rated Current at P _{max} (I _{mp}):	14.60A	14.70A	14.80A	14.90A	14.99A	15.09A
Open-Circuit Voltage (V _{oc}):	48.50V	48.90V	49.30V	49.70V	50.10V	50.50V
Short-Circuit Current (I _{sc}):	15.64A	15.70A	15.76A	15.81A	15.87A	15.93A
Module Efficiency (nm):	22.2%	22.6%	23.0%	23.3%	23.7%	24.1%
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					
600W	610W	620W	630W	640W	650W
459.09W	466.74W	474.39W	482.05W	489.70W	497.35W
38.73V	39.11V	39.49V	39.86V	40.24V	40.62V
11.85A	11.93A	12.01A	12.09A	12.17A	12.25A
46.13V	46.52V	46.90V	47.28V	47.66V	48.04V
12.62A	12.67A	12.72A	12.76A	12.80A	12.85A

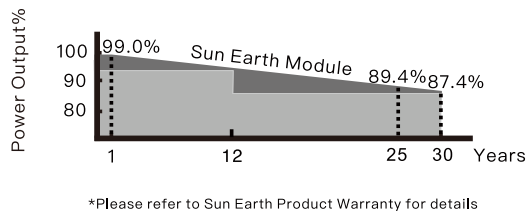
- STC: Irradiance 1000W/m², Cell Temperature 25℃, Air Mass AM1.5 (According to EN60904-3)
- NOCT: Irradiance 800W/m², Ambient Temperature 20℃, Wind Speed 1 m/s
- Average efficiency reduction or 4.5% at 200W/m² according to EN60904-1

Construction Specification:

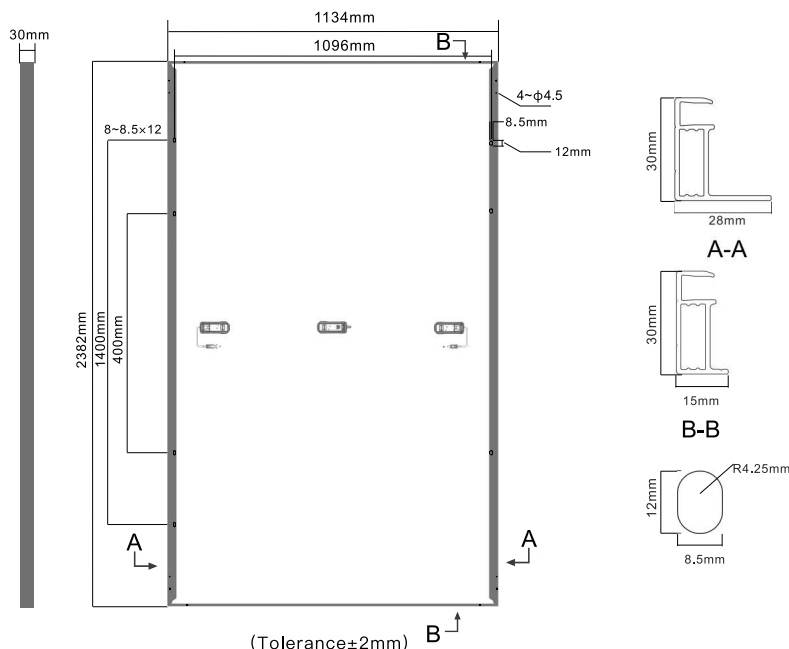
Front Cover:	Anti-Reflection Coating Glass/3.2mm
Cell:	132Pieces mono-crystalline n-type solar cell
Anodised Aluminum Alloy Frame:	● Silver ● Black
Junction Box:	Protection rating IP68
Cable:	4mm ² PV cable
Cable Length:	(+):400mm, (-):300mm; or customised
Connector:	Protection rating IP68
Dimension(L*W*H) :	2382 × 1134 × 30mm
Weight:	28.0 ± 3%kg

Packaging:

Container:	36 pcs/pallets, 72 pcs/stack, 720 pcs/ 40'HQ Container
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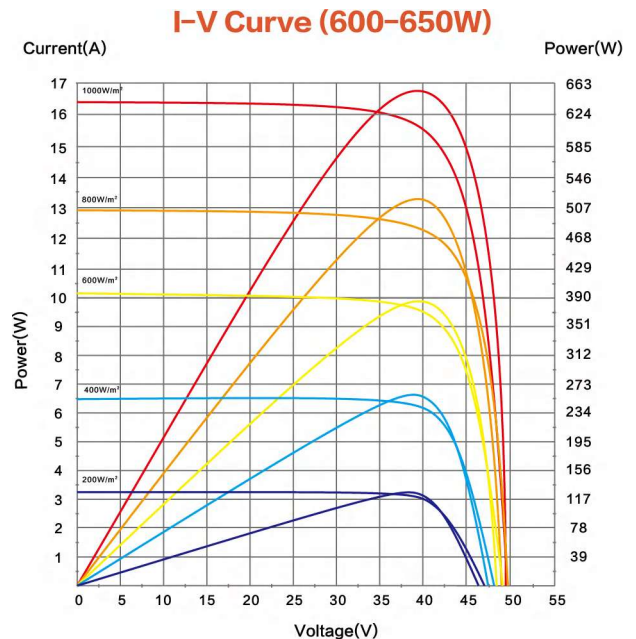


Dimensions

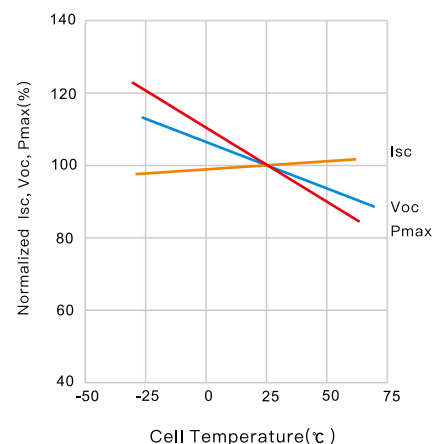


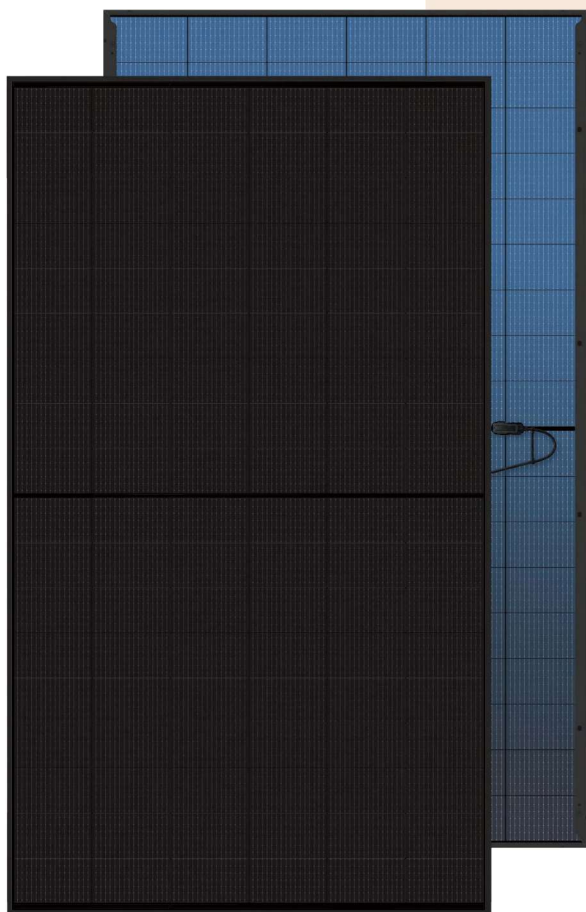
Thermal Characteristics:

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%/℃



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





 **DXM10-54HBG**

N Dual Glass
505W~530W

**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 and salt mist.

PID Free

Guaranteed no Potential Induced Degradation, ensuring consistent performance.

Fire Safety Certified

Module certificated for Class C 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(P _{max}):	505W	510W	515W	520W	525W	530W
Maximum Power (P _{max}):	505W	510W	515W	520W	525W	530W
Rated Voltage at P _{max} (V _{mp}):	34.20V	34.40V	34.60V	34.80V	35.00V	35.20V
Rated Current at P _{max} (I _{mp}):	14.77A	14.83A	14.89A	14.95A	15.00A	15.06A
Open-Circuit Voltage (V _{oc}):	40.48V	40.65V	40.80V	40.99V	41.16V	41.33V
Short-Circuit Current (I _{sc}):	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:	35A					
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					

BNPI					
505W	510W	515W	520W	525W	530W
556W	562W	567W	573W	578W	584W
34.19V	34.39V	34.59V	34.79V	34.99V	35.19V
16.31A	16.38A	16.44A	16.51A	16.56A	16.63A
40.46V	40.63V	40.80V	40.97V	41.14V	41.31V
17.29A	17.35A	17.40A	17.46A	17.51A	17.57A

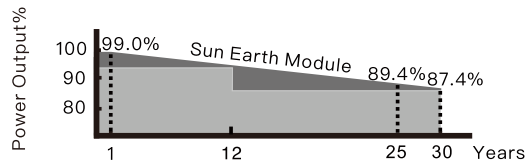
- STC: Irradiance 1000W/m², Cell Temperature 25℃, Air Mass AM1.5 (According to EN60904-3)
- BNPI: Irradiance: front 1000W/m², rear 135W/m², Cell Temperature 25℃, AM=1.5
- Average efficiency reduction or 4.5% at 200W/m² according to EN60904-1

Construction Specification:

Front Cover:	Anti-Reflection Coating Glass/2.0mm
Back Cover:	Heat Strengthened Glass/2.0mm
Cell:	108Pieces 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) :	1961 × 1134 × 30mm
Weight:	27.0 ± 3%kg

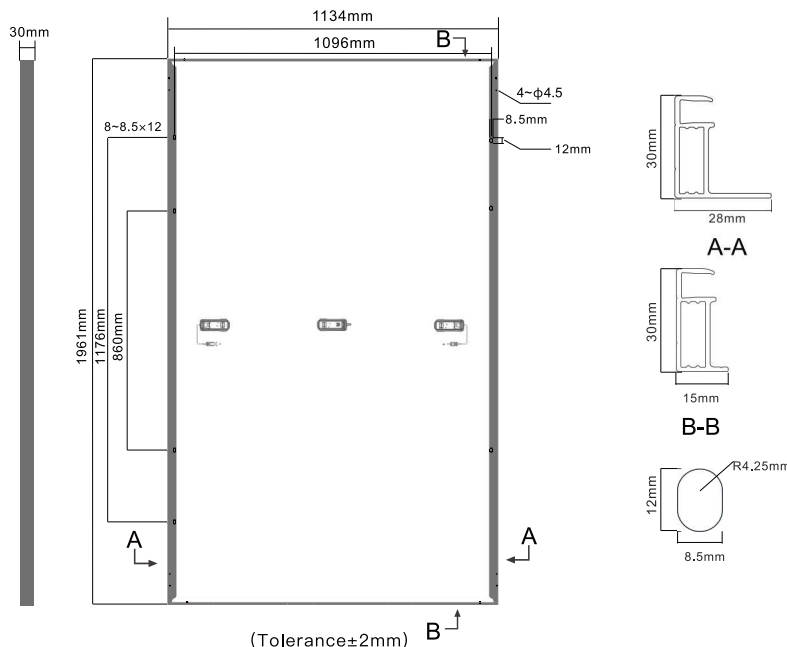
Packaging:

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

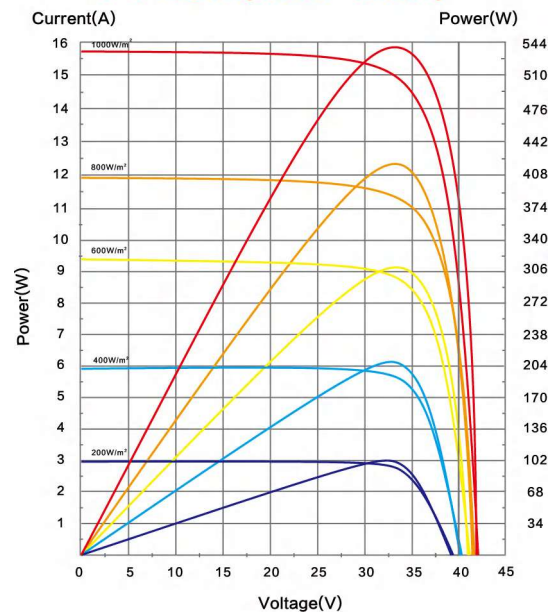
Dimensions



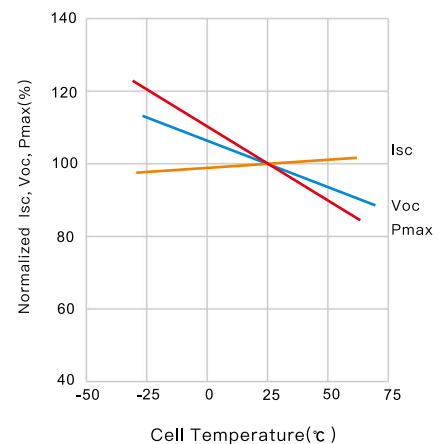
Thermal Characteristics:

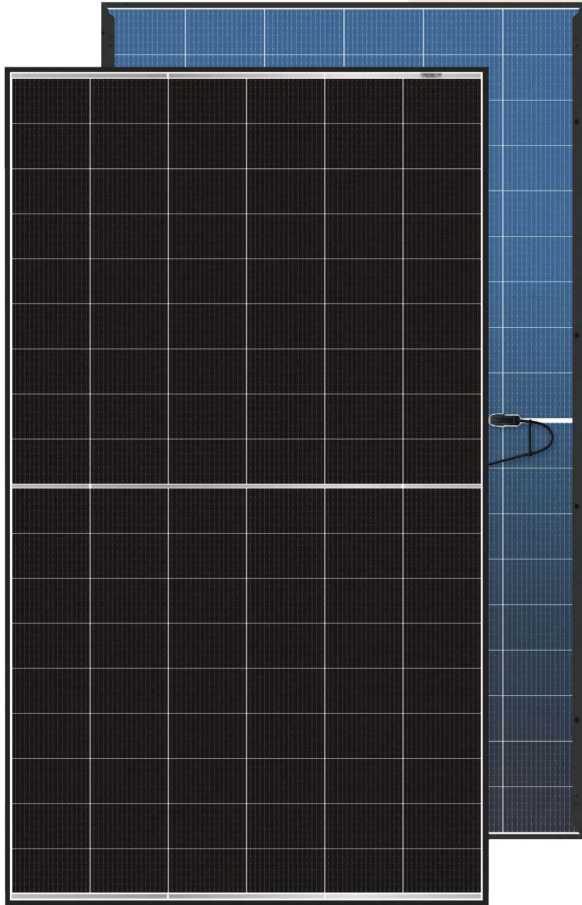
Bifaciality Coefficient:	φ Voc: 99 ± 5 %, φ I _{sc} : 80 ± 10%, φ P _{max} : 80 ± 10 %
Temperature Coefficient of P _{max} (vP _{mp}):	-0.29%/℃
Temperature Coefficient of Voc (BV _{oc}):	-0.23%/℃
Temperature Coefficient of I _{sc} (aI _{sc}):	+0.04%/℃

I-V Curve(505W~530W)



Temperature Dependence of I_{sc}, Voc, P_{max}





 **DXM10-54HBG**

N Dual Glass
505W~530W

**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 and salt mist.

PID Free

Guaranteed no Potential Induced Degradation, ensuring consistent performance.

Fire Safety Certified

Module certificated for Class C 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(P _{max}):	505W	510W	515W	520W	525W	530W
Maximum Power (P _{max}):	505W	510W	515W	520W	525W	530W
Rated Voltage at P _{max} (V _{mp}):	34.20V	34.40V	34.60V	34.80V	35.00V	35.20V
Rated Current at P _{max} (I _{mp}):	14.77A	14.83A	14.89A	14.95A	15.00A	15.06A
Open-Circuit Voltage (V _{oc}):	40.48V	40.65V	40.80V	40.99V	41.16V	41.33V
Short-Circuit Current (I _{sc}):	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:	35A					
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					

BNPI					
505W	510W	515W	520W	525W	530W
556W	562W	567W	573W	578W	584W
34.19V	34.39V	34.59V	34.79V	34.99V	35.19V
16.31A	16.38A	16.44A	16.51A	16.56A	16.63A
40.46V	40.63V	40.80V	40.97V	41.14V	41.31V
17.29A	17.35A	17.40A	17.46A	17.51A	17.57A

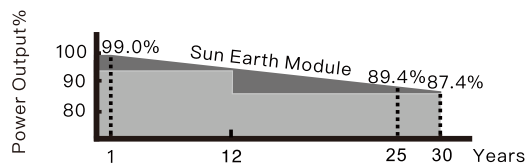
- STC: Irradiance 1000W/m², Cell Temperature 25℃, Air Mass AM1.5 (According to EN60904-3)
- BNPI: Irradiance: front 1000W/m², rear 135W/m², Cell Temperature 25℃, AM=1.5
- Average efficiency reduction or 4.5% at 200W/m² according to EN60904-1

Construction Specification:

Front Cover:	Anti-Reflection Coating Glass/2.0mm
Back Cover:	Heat Strengthened Glass/2.0mm
Cell:	108Pieces 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):	1961 × 1134 × 30mm
Weight:	27.0 ± 3%kg

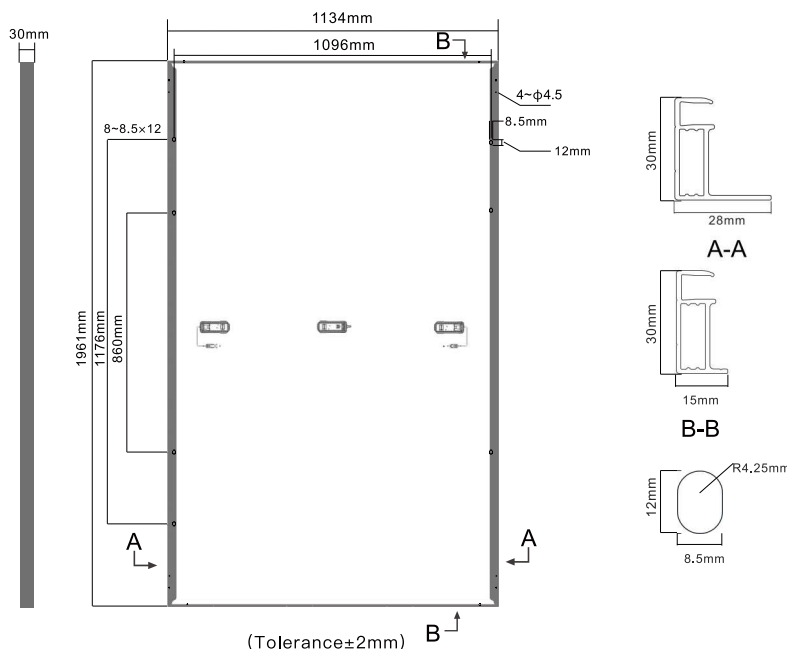
Packaging:

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

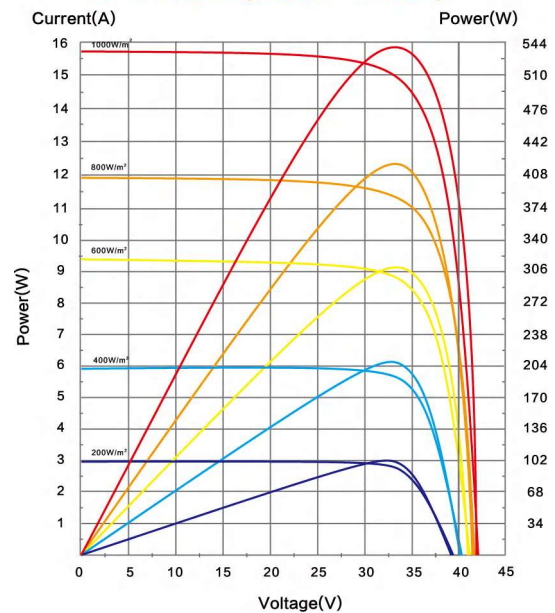
Dimensions



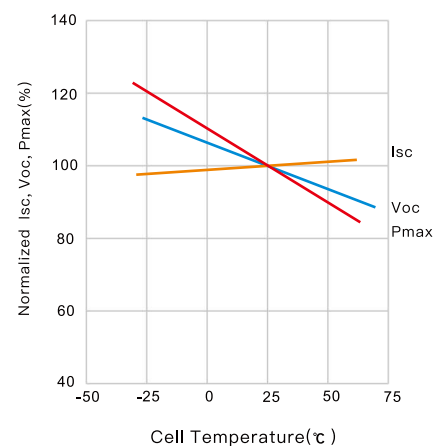
Thermal Characteristics:

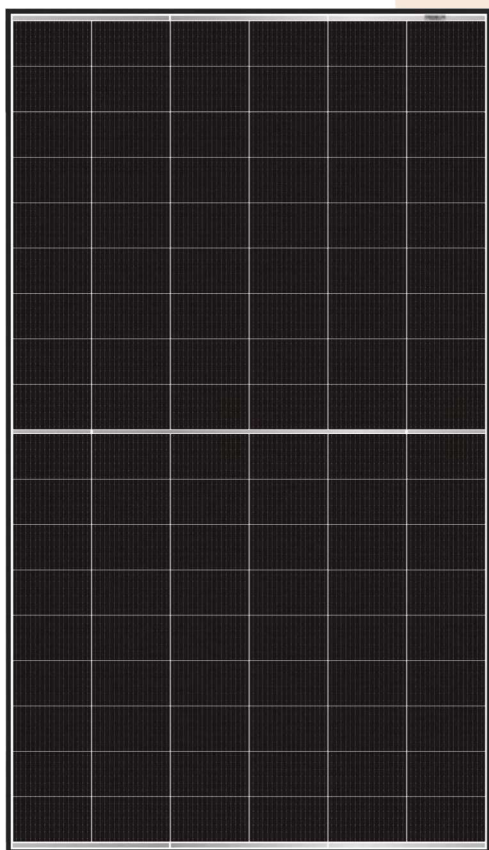
Bifaciality Coefficient:	φ Voc: 99 ± 5 %, φ I _{sc} : 80 ± 10%, φ P _{max} : 80 ± 10 %
Temperature Coefficient of P _{max} (vP _{mp}):	-0.29%/℃
Temperature Coefficient of Voc (BV _{oc}):	-0.23%/℃
Temperature Coefficient of I _{sc} (aI _{sc}):	+0.04%/℃

I-V Curve(505W~530W)



Temperature Dependence of I_{sc}, Voc, P_{max}





 **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					
Rated Power(Pmax):	505W	510W	515W	520W	525W	530W
Maximum Power (Pmax):	505W	510W	515W	520W	525W	530W
Rated Voltage at Pmax (Vmp):	34.20V	34.40V	34.60V	34.80V	35.00V	35.20V
Rated Current at Pmax (Imp):	14.77A	14.83A	14.89A	14.95A	15.00A	15.06A
Open-Circuit Voltage (Voc):	40.48V	40.65V	40.80V	40.99V	41.16V	41.33V
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℃ ~ +85℃					
Maximum Snow Loads(Front):	5400Pa					
Maximum Wind Loads (Front&Back):	2400Pa					
Maximum Hailstone Impact (Impact Velocity @ 23m/s):	25mm					

	NOCT					
	505W	510W	515W	520W	525W	530W
	386.40W	390.23W	394.05W	397.88W	401.71W	405.53W
	32.23V	32.42V	32.61V	32.80V	32.98V	33.17V
	11.99A	12.04A	12.09A	12.13A	12.17A	12.22A
	38.51V	38.67V	38.83V	38.99V	39.15V	39.31V
	12.63A	12.67A	12.71A	12.75A	12.79A	12.83A

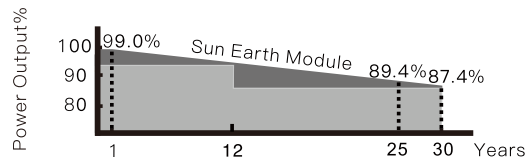
- STC: Irradiance 1000W/m², Cell Temperature 25℃, Air Mass AM1.5 (According to EN60904-3)
- NOCT: Irradiance 800W/m², Ambient Temperature 20℃, Wind Speed 1 m/s
- Average efficiency reduction or 4.5% at 200W/m² according to EN60904-1

Construction Specification:

Front Cover:	Anti-Reflection Coating Glass/3.2mm
Cell:	108Pieces 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):	1961×1134×30mm
Weight:	23.0±3%kg

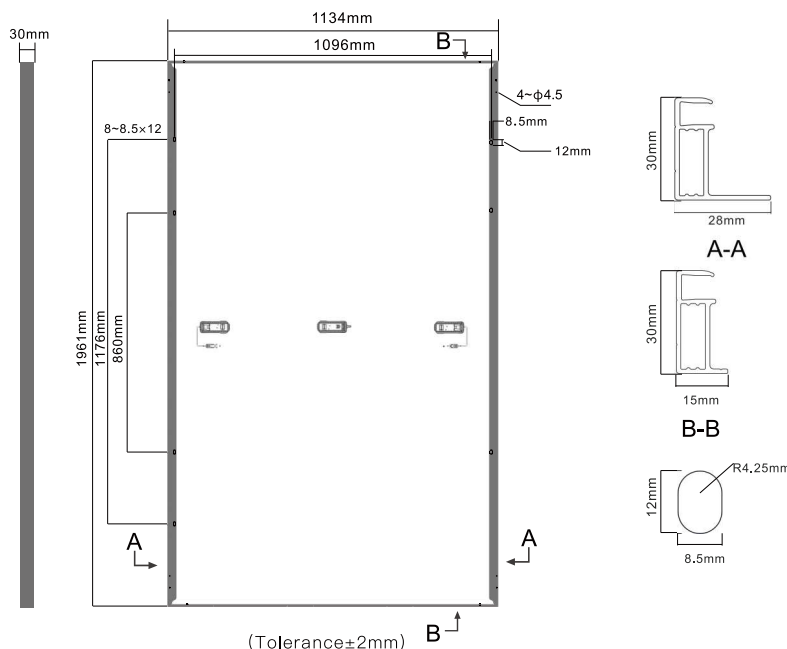
Packaging:

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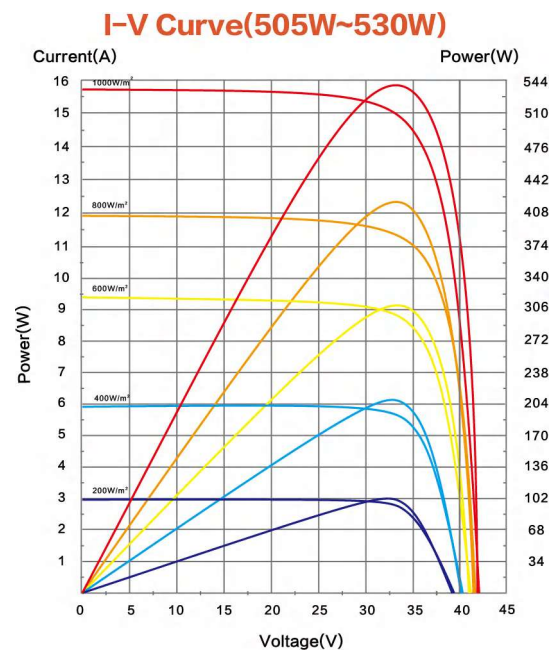
*Please refer to Sun Earth Product Warranty for details

Dimensions

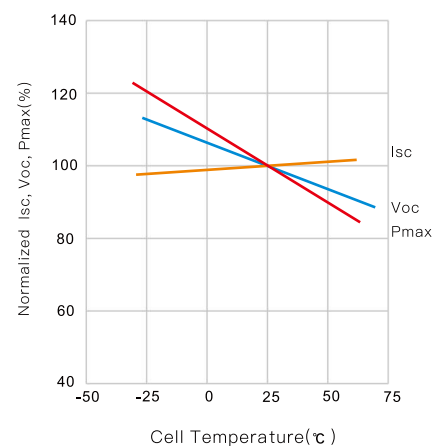


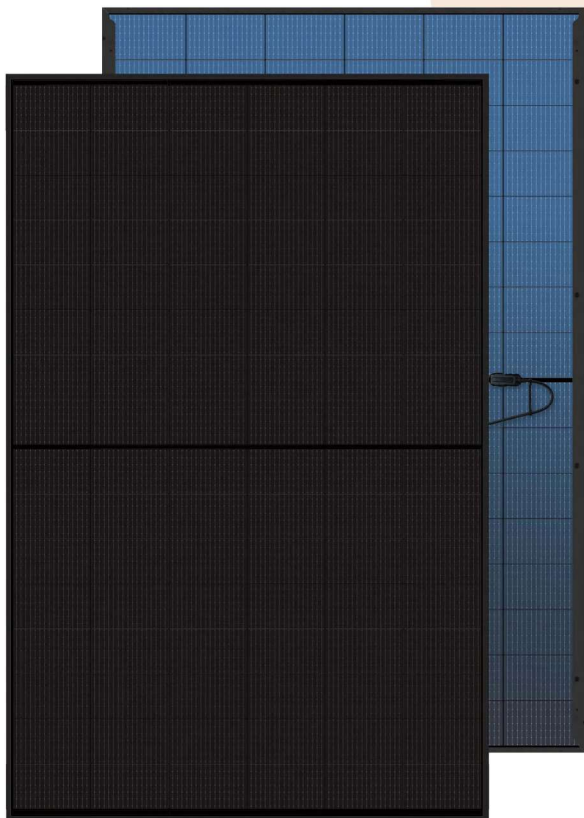
Thermal Characteristics:

Nominal Operating Cell Temperature (NOCT) :	43±2℃
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





 **DXM10-48HBG**

N Dual Glass
450W~475W

**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 and salt mist.

PID Free

Guaranteed no Potential Induced Degradation, ensuring consistent performance.

Fire Safety Certified

Module certificated for Class C 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(P _{max}):	450W	455W	460W	465W	470W	475W
Maximum Power (P _{max}):	450W	455W	460W	465W	470W	475W
Rated Voltage at P _{max} (V _{mp}):	30.45V	30.65V	30.85V	31.05V	31.25V	31.45V
Rated Current at P _{max} (I _{mp}):	14.78A	14.85A	14.92A	14.98A	15.04A	15.11A
Open-Circuit Voltage (V _{oc}):	36.08V	36.24V	36.40V	36.56V	36.72V	36.88V
Short-Circuit Current (I _{sc}):	15.64A	15.70A	15.76A	15.82A	15.88A	15.94A
Module Efficiency (nm):	22.5%	22.8%	23.0%	23.3%	23.5%	23.8%
Maximum System Voltage:	1500VDC					
Protection Class:	Class II					
Fire Resistance Class:	Class C					
Maximum Over-Current Rating:	35A					
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					

BNPI

	450W	455W	460W	465W	470W	475W
Rated Power(P _{max}):	496W	501W	507W	512W	518W	523W
Rated Voltage at P _{max} (V _{mp}):	30.44V	30.64V	30.84V	31.04V	31.24V	31.44V
Rated Current at P _{max} (I _{mp}):	16.32A	16.40A	16.47A	16.54A	16.61A	16.68A
Open-Circuit Voltage (V _{oc}):	36.07V	36.23V	36.39V	36.55V	36.71V	36.87V
Short-Circuit Current (I _{sc}):	17.28A	17.35A	17.41A	17.48A	17.54A	17.61A

• STC: Irradiance 1000W/m², Cell Temperature 25℃, Air Mass AM1.5 (According to EN60904-3)

• BNPI: Irradiance: front 1000W/m², rear 135W/m², Cell Temperature 25℃, AM=1.5

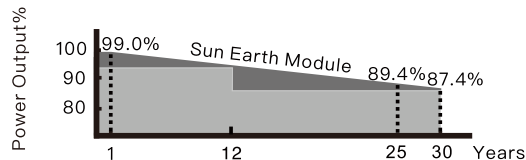
• Average efficiency reduction or 4.5% at 200W/m² according to EN60904-1

Construction Specification:

Front Cover:	Anti-Reflection Coating Glass/2.0mm
Back Cover:	Heat Strengthened Glass/2.0mm
Cell:	96Pieces 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) :	1762 × 1134 × 30mm
Weight:	24.5 ± 3%kg

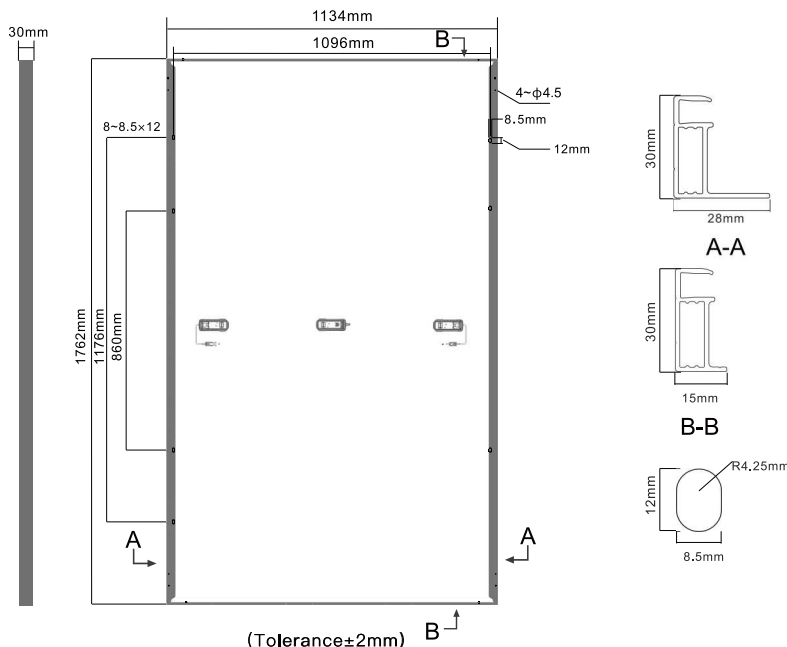
Packaging:

Container:	36 pcs/pallets, 72 pcs/stack, 936 pcs/ 40'HQ Container
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*Please refer to Sun Earth Product Warranty for details

Dimensions



Thermal Characteristics:

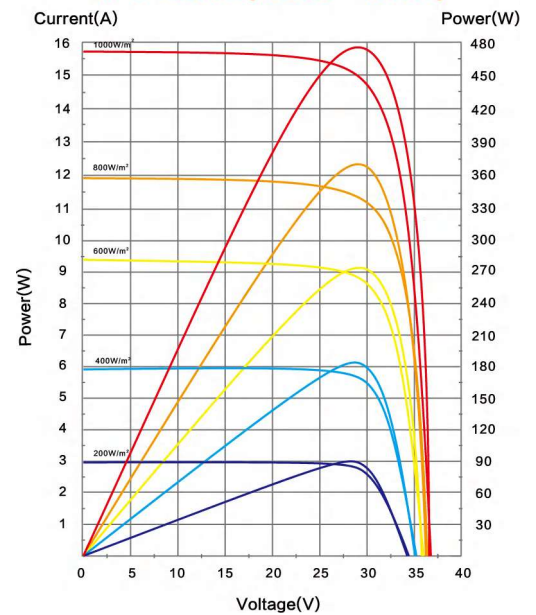
Bifaciality Coefficient: ϕ Voc: 99 ± 5 %, ϕ I_{sc}: 80 ± 10 %, ϕ P_{max}: 80 ± 10 %

Temperature Coefficient of P_{max} (vP_{mp}): -0.29%/℃

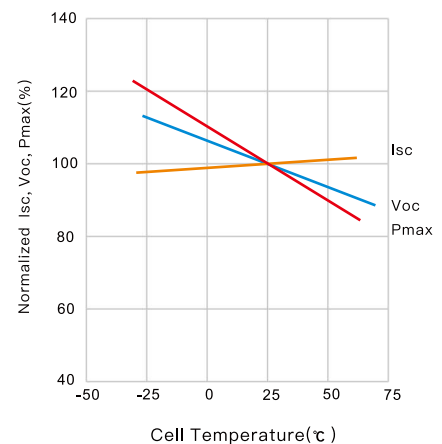
Temperature Coefficient of Voc (BV_{oc}): -0.23%/℃

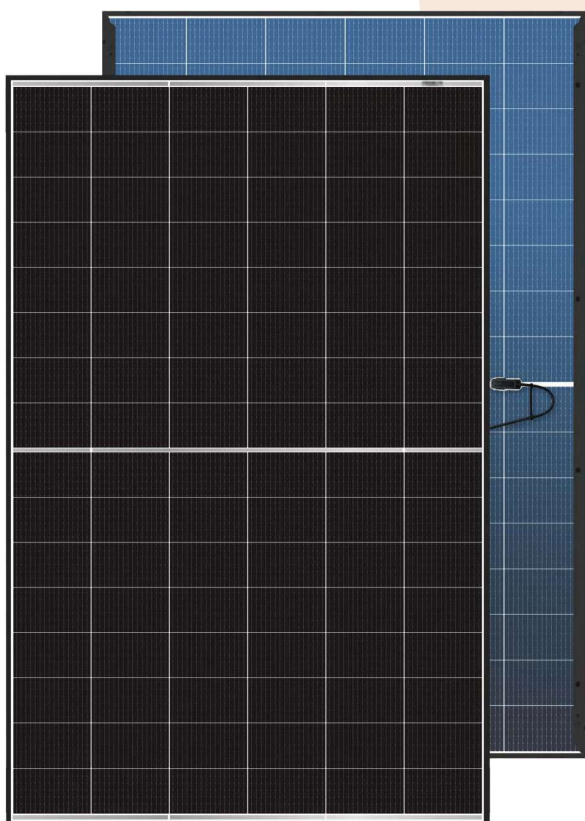
Temperature Coefficient of I_{sc} (aI_{sc}): +0.04%/℃

I-V Curve(450W~475W)



Temperature Dependence of I_{sc}, Voc, P_{max}





 **DXM10-48HBG**

N Dual Glass
450W~475W

**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 and salt mist.

PID Free

Guaranteed no Potential Induced Degradation, ensuring consistent performance.

Fire Safety Certified

Module certificated for Class C 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(P _{max}):	450W	455W	460W	465W	470W	475W
Maximum Power (P _{max}):	450W	455W	460W	465W	470W	475W
Rated Voltage at P _{max} (V _{mp}):	30.45V	30.65V	30.85V	31.05V	31.25V	31.45V
Rated Current at P _{max} (I _{mp}):	14.78A	14.85A	14.92A	14.98A	15.04A	15.11A
Open-Circuit Voltage (V _{oc}):	36.08V	36.24V	36.40V	36.56V	36.72V	36.88V
Short-Circuit Current (I _{sc}):	15.64A	15.70A	15.76A	15.82A	15.88A	15.94A
Module Efficiency (nm):	22.5%	22.8%	23.0%	23.3%	23.5%	23.8%
Maximum System Voltage:	1500VDC					
Protection Class:	Class II					
Fire Resistance Class:	Class C					
Maximum Over-Current Rating:	35A					
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					

BNPI

	450W	455W	460W	465W	470W	475W
Rated Power(P _{max}):	496W	501W	507W	512W	518W	523W
Rated Voltage at P _{max} (V _{mp}):	30.44V	30.64V	30.84V	31.04V	31.24V	31.44V
Rated Current at P _{max} (I _{mp}):	16.32A	16.40A	16.47A	16.54A	16.61A	16.68A
Open-Circuit Voltage (V _{oc}):	36.07V	36.23V	36.39V	36.55V	36.71V	36.87V
Short-Circuit Current (I _{sc}):	17.28A	17.35A	17.41A	17.48A	17.54A	17.61A

• STC: Irradiance 1000W/m², Cell Temperature 25℃, Air Mass AM1.5 (According to EN60904-3)

• BNPI: Irradiance: front 1000W/m², rear 135W/m², Cell Temperature 25℃, AM=1.5

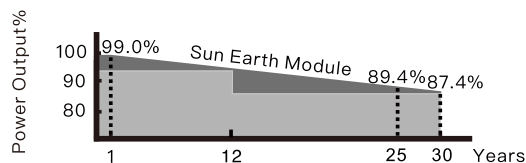
• Average efficiency reduction or 4.5% at 200W/m² according to EN60904-1

Construction Specification:

Front Cover:	Anti-Reflection Coating Glass/2.0mm
Back Cover:	Heat Strengthened Glass/2.0mm
Cell:	96Pieces 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) :	1762 × 1134 × 30mm
Weight:	24.5 ± 3%kg

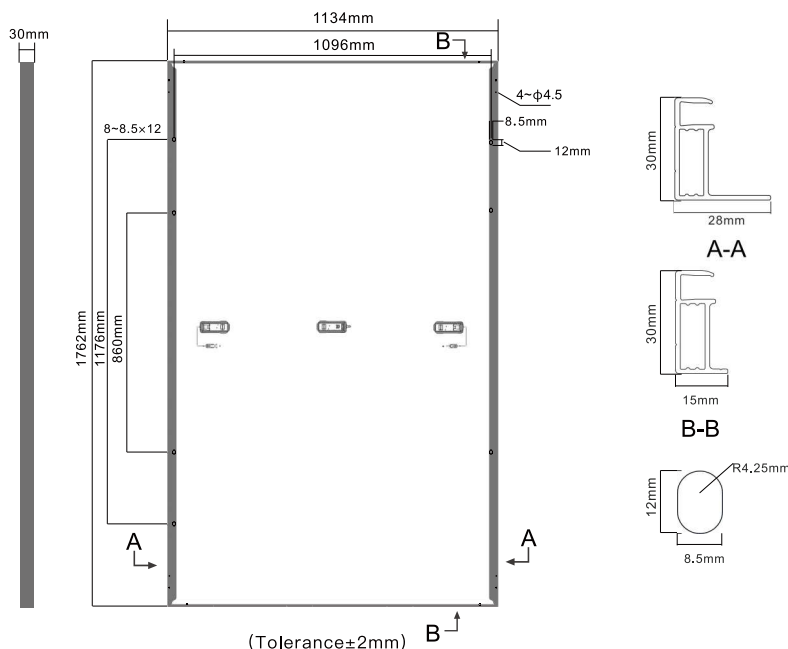
Packaging:

Container:	36 pcs/pallets, 72 pcs/stack, 936 pcs/ 40'HQ Container
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*Please refer to Sun Earth Product Warranty for details

Dimensions



Thermal Characteristics:

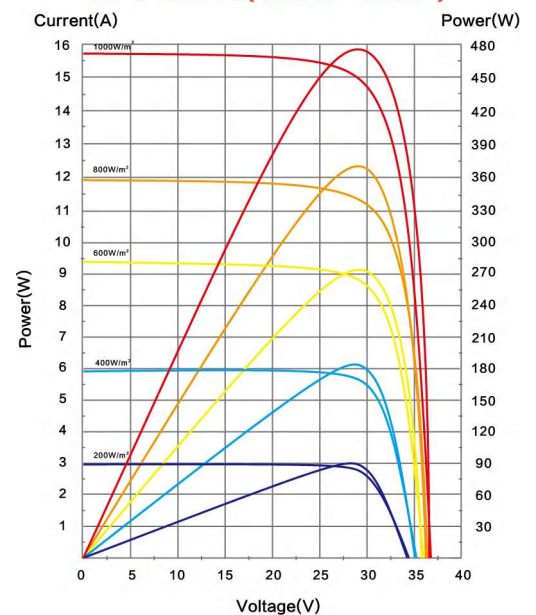
Bifaciality Coefficient: ϕ Voc: 99 ± 5 %, ϕ I_{sc}: 80 ± 10 %, ϕ P_{max}: 80 ± 10 %

Temperature Coefficient of P_{max} (vP_{mp}): -0.29%/℃

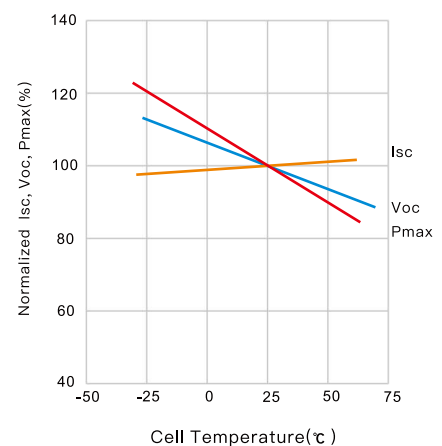
Temperature Coefficient of Voc (BVoc): -0.23%/℃

Temperature Coefficient of I_{sc} (aI_{sc}): +0.04%/℃

I-V Curve(450W~475W)

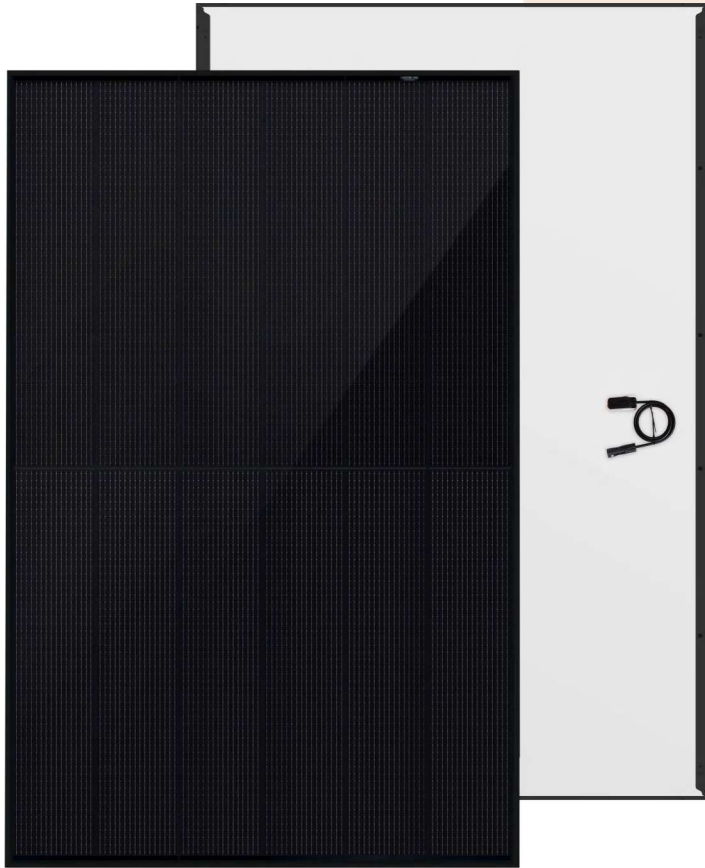


Temperature Dependence of I_{sc}, Voc, P_{max}





DXM10-48H



N Mono Obsidian
450W~475W

**Full Black Mono-Facial
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(Pmax):	450W	455W	460W	465W	470W	475W
Maximum Power (Pmax):	450W	455W	460W	465W	470W	475W
Rated Voltage at Pmax (Vmp):	30.45V	30.65V	30.85V	31.05V	31.25V	31.45V
Rated Current at Pmax (Imp):	14.78A	14.85A	14.92A	14.98A	15.04A	15.11A
Open-Circuit Voltage (Voc):	36.08V	36.24V	36.40V	36.56V	36.72V	36.88V
Short-Circuit Current (Isc):	15.64A	15.70A	15.76A	15.82A	15.88A	15.94A
Module Efficiency (nm):	22.5%	22.8%	23.0%	23.3%	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					
	450W	455W	460W	465W	470W	475W
	344.32W	348.14W	351.97W	355.80W	359.62W	363.45W
	28.70V	28.89V	29.07V	29.26V	29.45V	29.64V
	12.00A	12.05A	12.11A	12.16A	12.21A	12.26A
	34.32V	34.47V	34.62V	34.78V	34.93V	35.08V
	12.62A	12.67A	12.72A	12.76A	12.81A	12.86A

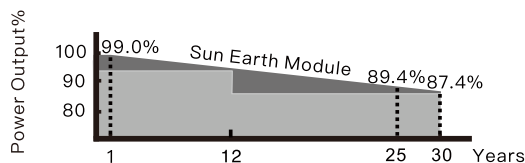
- STC: Irradiance 1000W/m², Cell Temperature 25℃, Air Mass AM1.5 (According to E N60904-3)
- NOCT: Irradiance 800W/m², Ambient Temperature 20℃, Wind Speed 1 m/s
- Average efficiency reduction or 4.5% at 200W/m² according to EN60904-1

Construction Specification:

Front Cover:	Anti-Reflection Coating Glass/3.2mm
Cell:	96Pieces 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) :	1762 × 1134 × 30mm
Weight:	21.0 ± 3%kg

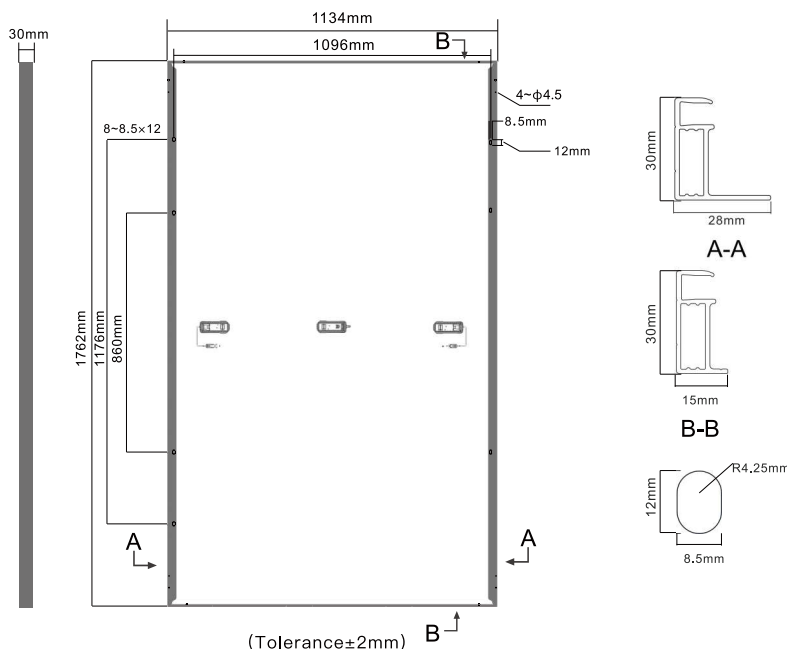
Packaging:

Container:	36 pcs/pallets, 72 pcs/stack, 936 pcs/ 40'HQ Container
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*Please refer to Sun Earth Product Warranty for details

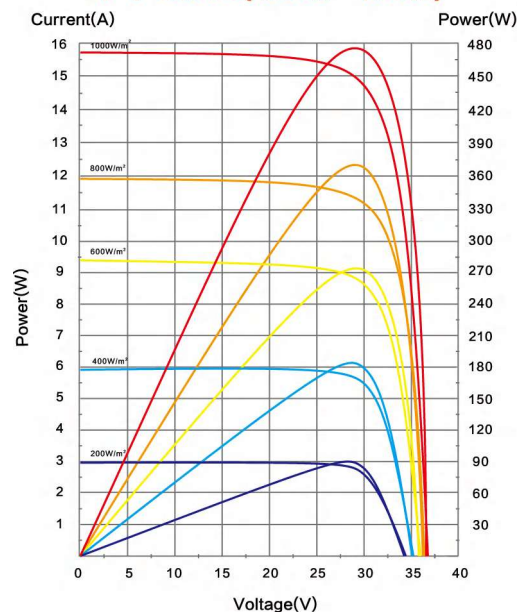
Dimensions



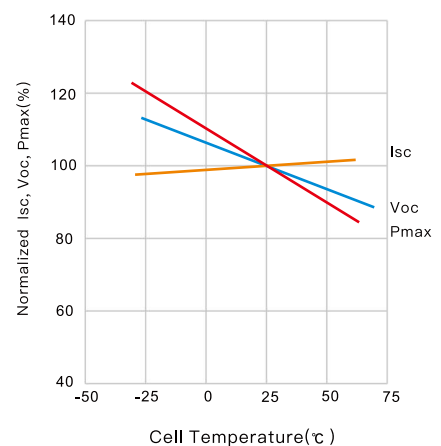
Thermal Characteristics:

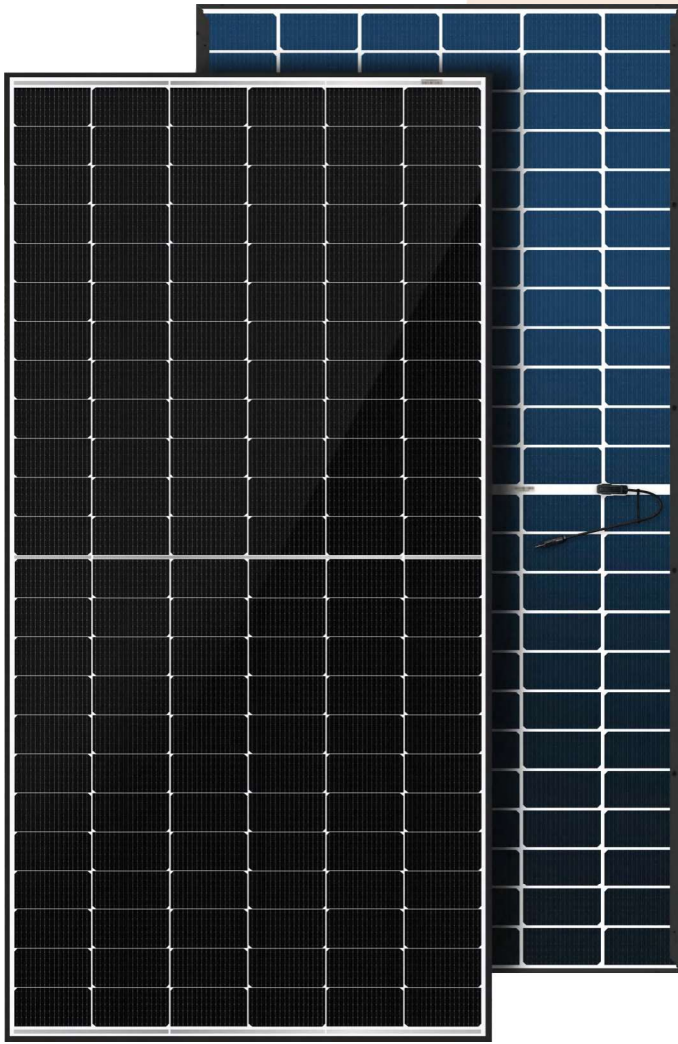
Nominal Operating Cell Temperature (NOCT) :	43 ± 2℃
Temperature Coefficient of Pmax (vPmp):	-0.29%/℃
Temperature Coefficient of Voc (BVoc):	-0.23%/℃
Temperature Coefficient of Isc (alsc):	+0.04%/℃

I-V Curve(450W~475W)



Temperature Dependence of Isc, Voc, Pmax





 **DXM8-72HBG**

N Dual Glass
560W~610W

**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 and salt mist.

PID Free

Guaranteed no Potential Induced Degradation, ensuring consistent performance.

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):	560W	570W	580W	590W	600W	610W
Maximum Power (Pmax):	560W	570W	580W	590W	600W	610W
Rated Voltage at Pmax (Vmp):	42.1V	42.3V	42.5V	42.7V	42.9V	43.1V
Rated Current at Pmax (Imp):	13.30A	13.48A	13.65A	13.82A	13.99A	14.15A
Open-Circuit Voltage (Voc):	50.5V	50.9V	51.3V	51.7V	52.1V	52.5V
Short-Circuit Current (Isc):	14.11A	14.25A	14.39A	14.52A	14.64A	14.76A
Module Efficiency (nm):	21.7%	22.1%	22.5%	22.8%	23.2%	23.6%
Maximum System Voltage:	1500VDC					
Application Class:	Class A					
Fire Resistance Class:	Class A					
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					

BNPI					
560W	570W	580W	590W	600W	610W
616W	627W	638W	651W	662W	673W
42.37V	42.55V	42.73V	42.91V	43.10V	43.26V
14.54A	14.74A	14.93A	15.17A	15.36A	15.56A
50.59V	50.83V	51.08V	51.34V	51.58V	51.79V
14.48A	15.70A	15.92A	16.16A	16.39A	16.58A

· STC: Irradiance 1000W/m², Cell Temperature 25℃, Air Mass AM1.5 (According to E N60904-3)

· BNPI: Irradiance: front 1000W/m², rear 135W/m², Cell Temperature 25℃, AM=1.5

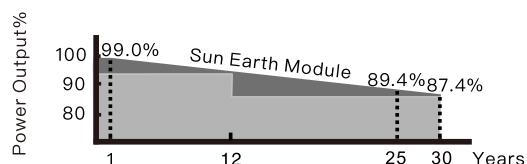
· Average efficiency reduction or 4.5% at 200W/m² according to EN60904-1

Construction Specification:

Front Cover:	Anti-Reflection Coating Glass/2.0mm
Back Cover:	Heat Strengthened Glass/2.0mm
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) :	2278 × 1134 × 30mm
Weight:	32.0 ± 3%kg

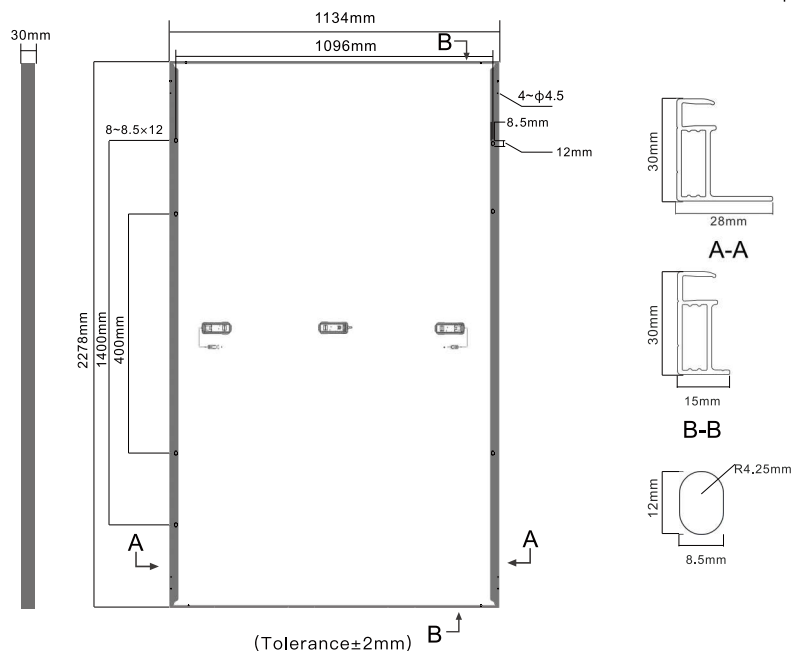
Packaging:

Container:	36 pcs/pallets, 72 pcs/stack, 720 pcs/ 40'HQ Container
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*Please refer to Sun Earth Product Warranty for details

Demensions



Thermal Characteristics:

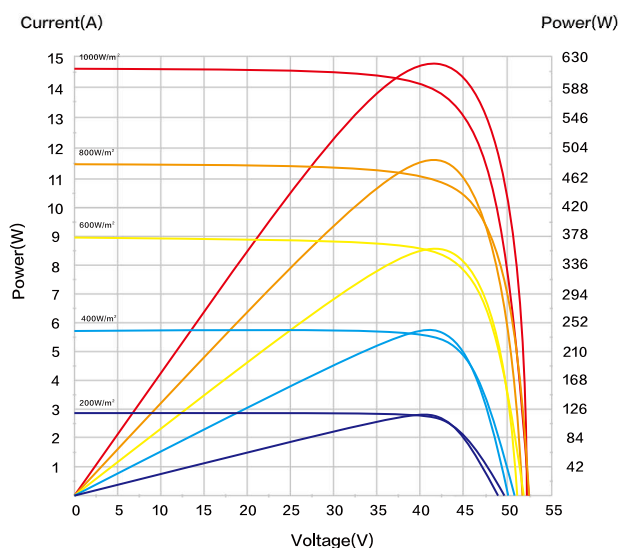
Bifaciality Coefficient: ϕ Voc: 99 ± 5%, ϕ Isc: 80 ± 5%, ϕ Pmax: 80 ± 10%

Temperature Coefficient of Pmax (vPmp): -0.29%/℃

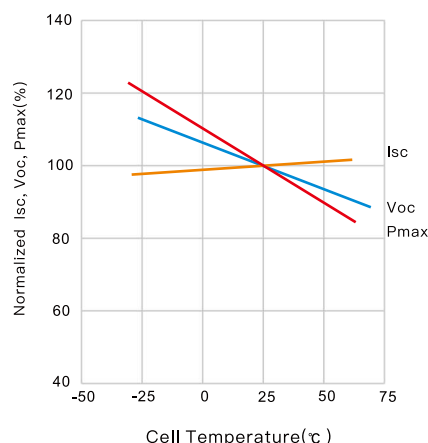
Temperature Coefficient of Voc (BVoc): -0.23%/℃

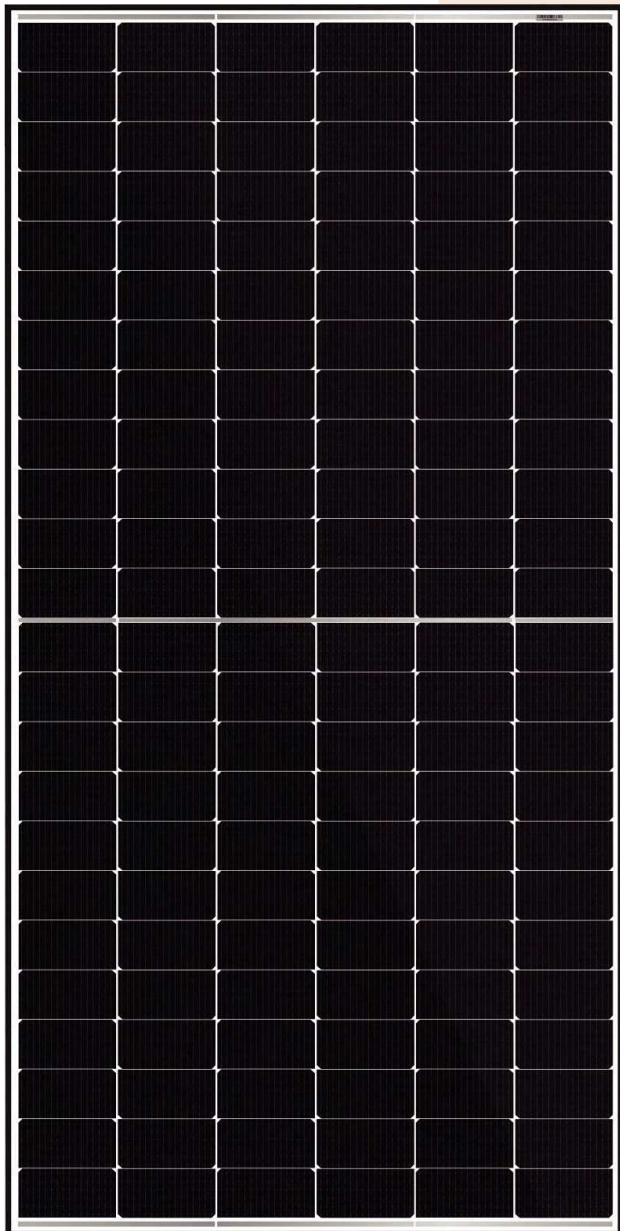
Temperature Coefficient of Isc (alsc): +0.04%/℃

I-V Curve (560-610W)



Temperature Dependence of Isc, Voc, Pmax





 **DXM8-72H**

N Mono
560W~610W

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(Pmax):	560W	570W	580W	590W	600W	610W
Maximum Power (Pmax):	560W	570W	580W	590W	600W	610W
Rated Voltage at Pmax (Vmp):	42.1V	42.3V	42.5V	42.7V	42.9V	43.1V
Rated Current at Pmax (Imp):	13.30A	13.48A	13.65A	13.82A	13.99A	14.15A
Open-Circuit Voltage (Voc):	50.5V	50.9V	51.3V	51.7V	52.1V	52.5V
Short-Circuit Current (Isc):	14.11A	14.25A	14.39A	14.52A	14.64A	14.76A
Module Efficiency (nm):	21.7%	22.1%	22.5%	22.8%	23.2%	23.6%
Maximum System Voltage:	1500VDC					
Application Class:	Class A					
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					

BNPI					
560W	570W	580W	590W	600W	610W
616W	627W	638W	651W	662W	673W
42.37V	42.55V	42.73V	42.91V	43.10V	43.26V
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• BNPI: Irradiance: front 1000W/m², rear 135W/m², Cell Temperature 25℃, AM=1.5

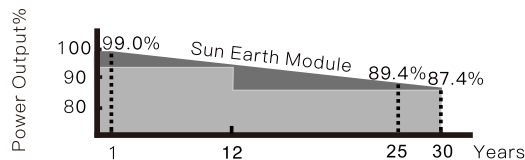
• Average efficiency reduction or 4.5% at 200W/m² according to EN60904-1

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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) :	2278 × 1134 × 30mm
Weight:	27.0 ± 3%kg

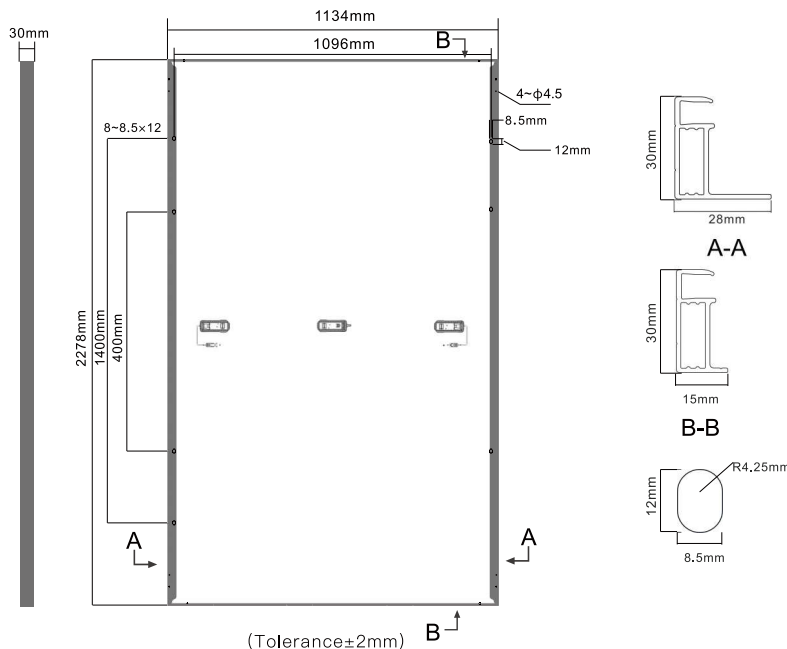
Packaging:

Container:	36 pcs/pallets, 72 pcs/stack, 720 pcs/ 40'HQ Container
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*Please refer to Sun Earth Product Warranty for details

Dimensions



Thermal Characteristics:

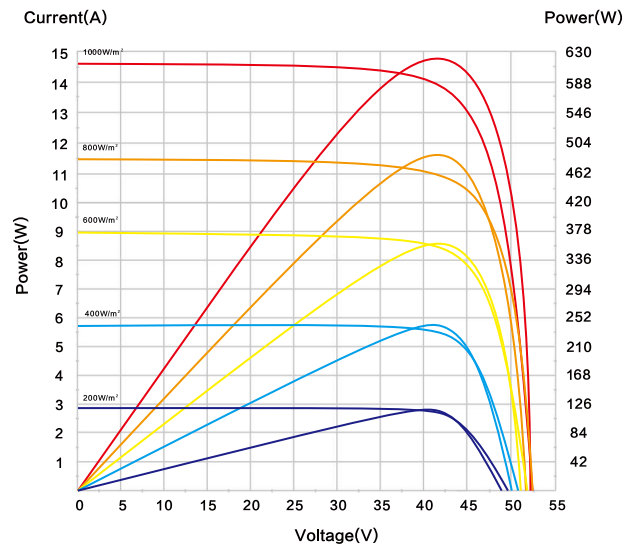
Bifaciality Coefficient: ϕ Voc: 99 ± 5%, ϕ Isc: 80 ± 5%, ϕ Pmax: 80 ± 10%

Temperature Coefficient of Pmax (vPmp): -0.29%/℃

Temperature Coefficient of Voc (BVoc): -0.23%/℃

Temperature Coefficient of Isc (alsc): +0.04%/℃

I-V Curve (560-610W)



Temperature Dependence of Isc, Voc, Pmax

