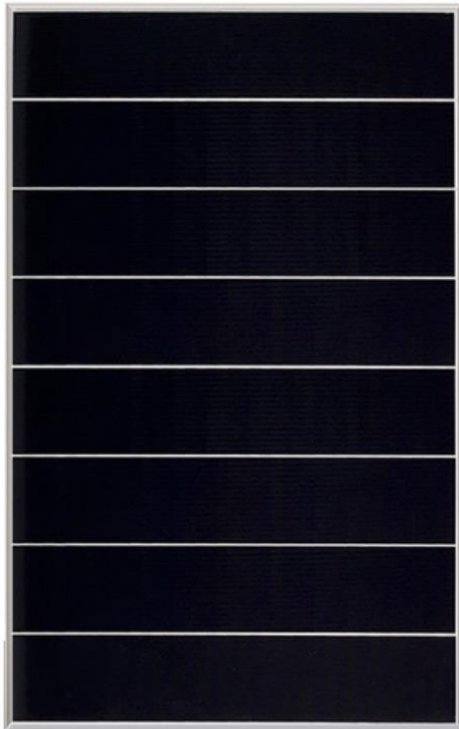


Specification of Shingled Monocrystalline solar module (380W ~ 550W)



KEY features

Technology:

Technology provides ultra-high efficiency,
Maximizes installation capacity in limited space.

Beautiful appearance:

Cells are evenly arranged, pleasing to the eye.

Enhanced weather resistance:

Avoid the microcrack of cells caused by traditional welding process; Modules are flexible and compressive resistance; Suitable for all harsh environments

Reduce system cost:

High module efficiency reduces floor space effectively, BOS, transportation and maintenance costs

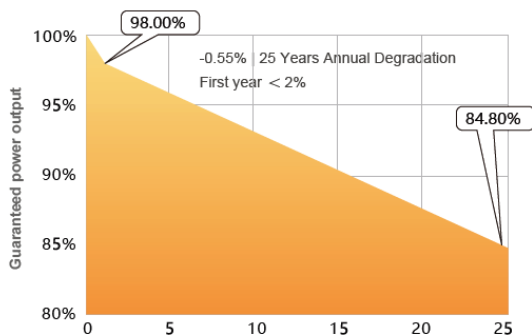
Strong compatibility:

Can be equipped with a variety of mainstream high efficient (PERC, SHJ) cells.

Anti-LID / PID:

To ensure higher actual yield during lifetime.

Warranty



15
year

material process warranty

25
year

linear power output warranty

Electrical Characteristics at Standard Test Conditions(STC)

AN-210X30_8_30	380
Maximum Power-Pm [W]	380W
Open Circuit Voltage-Voc [V]	45.76
Short Circuit Current-Isc [A]	10.22
Maximum Power Voltage-Vm [V]	39.03
Maximum Power Current-Im [A]	9.74
Module Efficiency-η [%]	21.53

NOTE:

- Standard Test Conditions [STC]: irradiance 1000 W/m²; AM 1.5; ambient temperature 25℃ according to EN 60904-3;
- Nominal Module Operating Temperature (NMOT): Irradiance 800W/ m²; wind speed 1m/s; ambient temperature 20℃
- Tolerance of Pm: 0~+5W, Measuring uncertainty of power: ±3%. Performance deviation of Voc [V], Isc [A], Vm [V] and Im [A]: ±3%.

Mechanical Characteristics

Dimensions	1730×1020×35 mm (L×W×H)
Weight	19.41kg
Front Glass	White toughened safety glass, 3.2mm
Cells	210*210 PERC solar cells
Back Sheet	high weatherability backsheet
Frame	Anodized aluminum profile
Junction Box	IP68, TUV, two diodes
Cable	Length 900mm, 1×4mm ²
Connector	Compatible with MC4

Temperature Characteristics

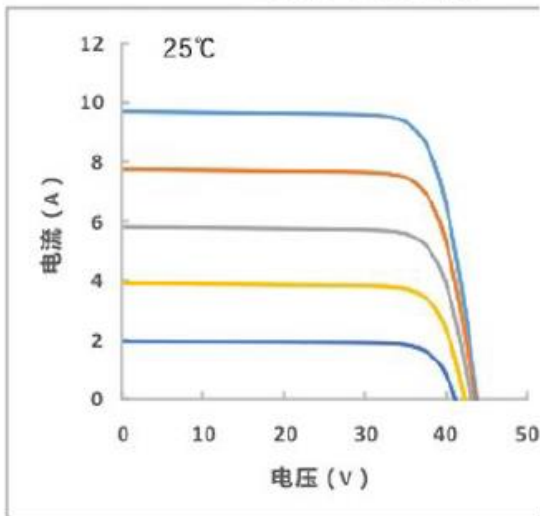
NMOT	42.3℃ (±2)
Temperature Coefficient of Voc	-0.27%/℃
Temperature Coefficient of Isc	0.04%/℃
Temperature Coefficient of Pm	-0.34%/℃
Maximum Ratings	
Maximum System Voltage [V]	DC 1500IEC)
Series Fuse Rating [A]	20
Maximum Surface Load Capacity [Pa]	5,400
Temperature Range [°C]	-40~+85
Withstanding Hail	Maximum diameter of 25 mm with impact speed of 23 m/s

Package

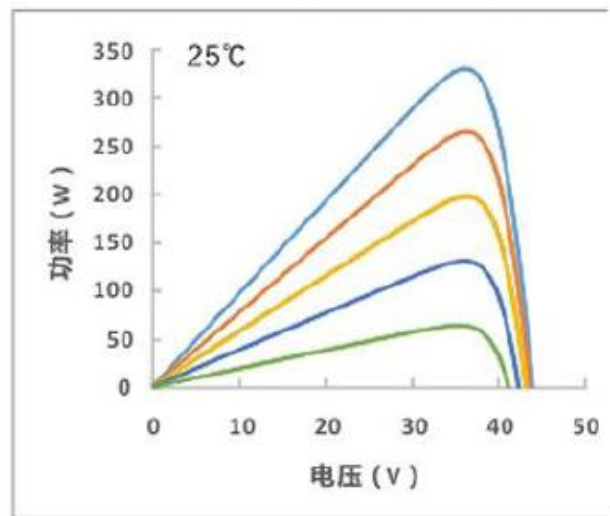
container	40' HQ
Number of pallets per container	31
Number of modules per ontainer	1000

I-V curve

电流-电压曲线



功率-电压曲线



Specification of Shingled Monocrystalline solar module



KEY features

Technology:

Technology provides ultra-high efficiency,
Maximizes installation capacity in limited space.

Beautiful appearance:

Cells are evenly arranged, pleasing to the eye.

Enhanced weather resistance:

Avoid the microcrack of cells caused by traditional welding process; Modules are flexible and compressive resistance; Suitable for all harsh environments

Reduce system cost:

High module efficiency reduces floor space effectively, BOS, transportation and maintenance costs

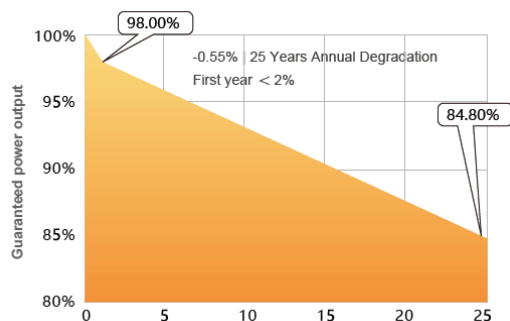
Strong compatibility:

Can be equipped with a variety of mainstream high efficient (PERC, SHJ) cells.

Anti-LID / PID:

To ensure higher actual yield during lifetime.

Warranty



15
year

material process warranty

25
year

linear power output warranty

Electrical Characteristics at Standard Test Conditions(STC)

AN-210X30_10_36	400
Maximum Power-Pm [W]	400
Open Circuit Voltage-Voc [V]	48.17
Short Circuit Current-Isc [A]	10.23
Maximum Power Voltage-Vm [V]	41.26
Maximum Power Current-Im [A]	9.70
Module Efficiency-η [%]	21.41

NOTE:

- Standard Test Conditions [STC]: irradiance 1000 W/m²; AM 1.5; ambient temperature 25°C according to EN 60904-3;
- Nominal Module Operating Temperature (NMOT): Irradiance 800W/ m²; wind speed 1m/s; ambient temperature 20°C
- Tolerance of Pm: 0~+5W, Measuring uncertainty of power: ±3%. Performance deviation of Voc [V], Isc [A], Vm [V] and Im [A]: ±3%.

Mechanical Characteristics

Dimensions	1730*1080*35MM (L×W×H)
Weight	20.55kg
Front Glass	White toughened safety glass, 3.2mm
Cells	210*210 PERC solar cells
Back Sheet	high weatherability backsheet
Frame	Anodized aluminum profile
Junction Box	IP68, TUV, two diodes
Cable	Length 900mm, 1×4mm ²
Connector	Compatible with MC4

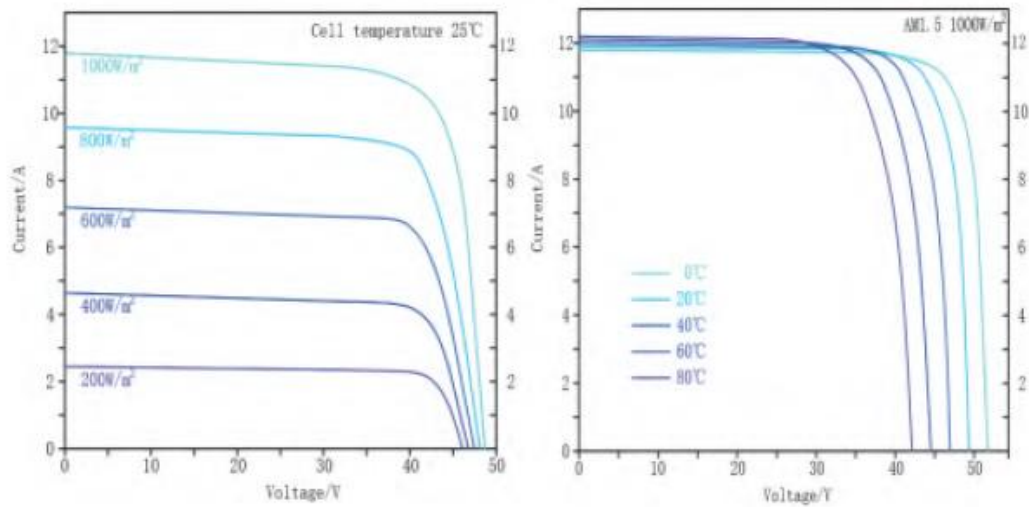
Temperature Characteristics

NMOT	42.3°C (±2)
Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Pm	-0.34%/°C
Maximum Ratings	
Maximum System Voltage [V]	DC 1500IEC)
Series Fuse Rating [A]	20
Maximum Surface Load Capacity [Pa]	5,400
Temperature Range [°C]	-40~+85
Withstanding Hail	Maximum diameter of 25 mm with impact speed of 23 m/s

Package

container	40' HQ
Number of modules per container	900

I-V curve



Specification of Shingled Monocrystalline solar module



KEY features

Technology:

Technology provides ultra-high efficiency,
Maximizes installation capacity in limited space.

Beautiful appearance:

Cells are evenly arranged, pleasing to the eye.

Enhanced weather resistance:

Avoid the microcrack of cells caused by traditional welding process; Modules are flexible and compressive resistance; Suitable for all harsh environments

Reduce system cost:

High module efficiency reduces floor space effectively, BOS, transportation and maintenance costs

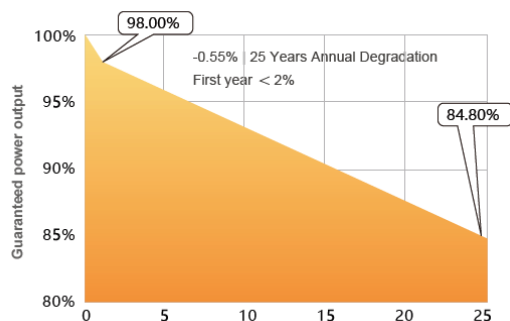
Strong compatibility:

Can be equipped with a variety of mainstream high efficient (PERC, SHJ) cells.

Anti-LID / PID:

To ensure higher actual yield during lifetime.

Warranty



15
year

material process warranty

25
year

linear power output warranty

Electrical Characteristics at Standard Test Conditions(STC)

AN-210X30_10_36	450
Maximum Power-Pm [W]	450
Open Circuit Voltage-Voc [V]	43.07
Short Circuit Current-Isc [A]	12.86
Maximum Power Voltage-Vm [V]	36.74
Maximum Power Current-Im [A]	12.25
Module Efficiency-η [%]	21.45

NOTE:

- Standard Test Conditions [STC]: irradiance 1000 W/m²; AM 1.5; ambient temperature 25℃ according to EN 60904-3;
- Nominal Module Operating Temperature (NMOT): Irradiance 800W/ m²; wind speed 1m/s; ambient temperature 20℃
- Tolerance of Pm: 0~+5W, Measuring uncertainty of power: ±3%. Performance deviation of Voc [V], Isc [A], Vm [V] and Im [A]: ±3%.

Mechanical Characteristics

Dimensions	2148×960×35 mm (L×W×H)
Weight	22.68kg
Front Glass	White toughened safety glass, 3.2mm
Cells	210*210 PERC solar cells
Back Sheet	high weatherability backsheet
Frame	Anodized aluminum profile
Junction Box	IP68, TUV, two diodes
Cable	Length 900mm, 1×4mm ²
Connector	Compatible with MC4

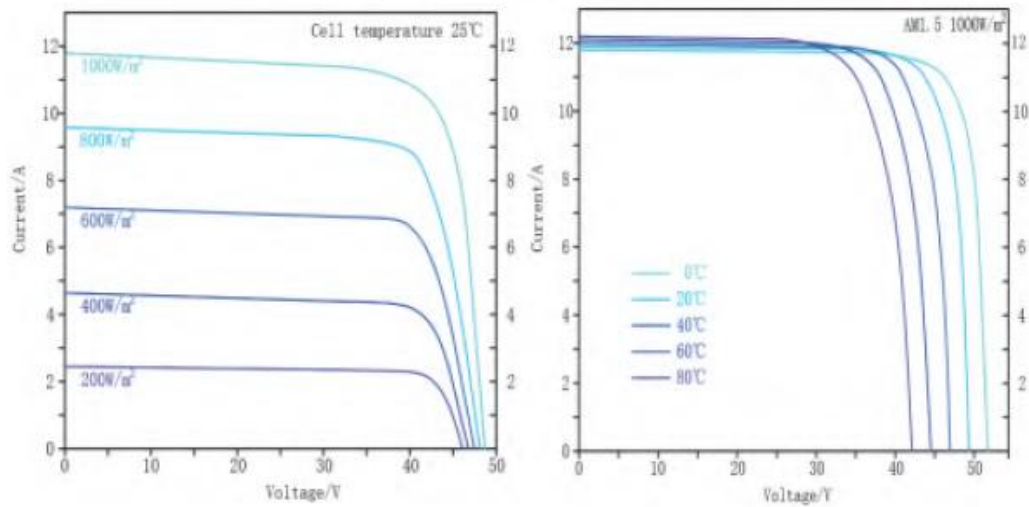
Temperature Characteristics

NMOT	42.3℃ (±2)
Temperature Coefficient of Voc	-0.27%/℃
Temperature Coefficient of Isc	0.04%/℃
Temperature Coefficient of Pm	-0.34%/℃
Maximum Ratings	
Maximum System Voltage [V]	DC 1500IEC)
Series Fuse Rating [A]	20
Maximum Surface Load Capacity [Pa]	5,400
Temperature Range [°C]	-40~+85
Withstanding Hail	Maximum diameter of 25 mm with impact speed of 23 m/s

Package

container	40' HQ
Number of modules per container	700

I-V curve



Specification of Shingled Monocrystalline solar module



KEY features

Technology:

Technology provides ultra-high efficiency,
Maximizes installation capacity in limited space.

Beautiful appearance:

Cells are evenly arranged, pleasing to the eye.

Enhanced weather resistance:

Avoid the microcrack of cells caused by traditional welding process; Modules are flexible and compressive resistance; Suitable for all harsh environments

Reduce system cost:

High module efficiency reduces floor space effectively, BOS, transportation and maintenance costs

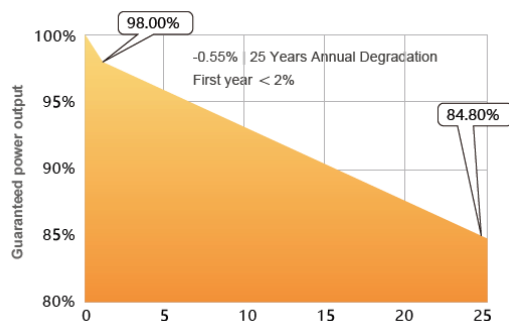
Strong compatibility:

Can be equipped with a variety of mainstream high efficient (PERC, SHJ) cells.

Anti-LID / PID:

To ensure higher actual yield during lifetime.

Warranty



material process warranty



linear power output warranty

Electrical Characteristics at Standard Test Conditions(STC)

AN-210X30_10_36	500
Maximum Power-P _m [W]	500
Open Circuit Voltage-V _{oc} [V]	49.42
Short Circuit Current-I _{sc} [A]	12.82
Maximum Power Voltage-V _m [V]	41.18
Maximum Power Current-I _m [A]	12.14
Module Efficiency-η [%]	21.45

NOTE:

- Standard Test Conditions [STC]: irradiance 1000 W/m²; AM 1.5; ambient temperature 25°C according to EN 60904-3;
- Nominal Module Operating Temperature (NMOT): Irradiance 800W/ m²; wind speed 1m/s; ambient temperature 20°C
- Tolerance of P_m: 0~+5W, Measuring uncertainty of power: ±3%. Performance deviation of V_{oc} [V], I_{sc} [A], V_m [V] and I_m [A]: ±3%.

Mechanical Characteristics

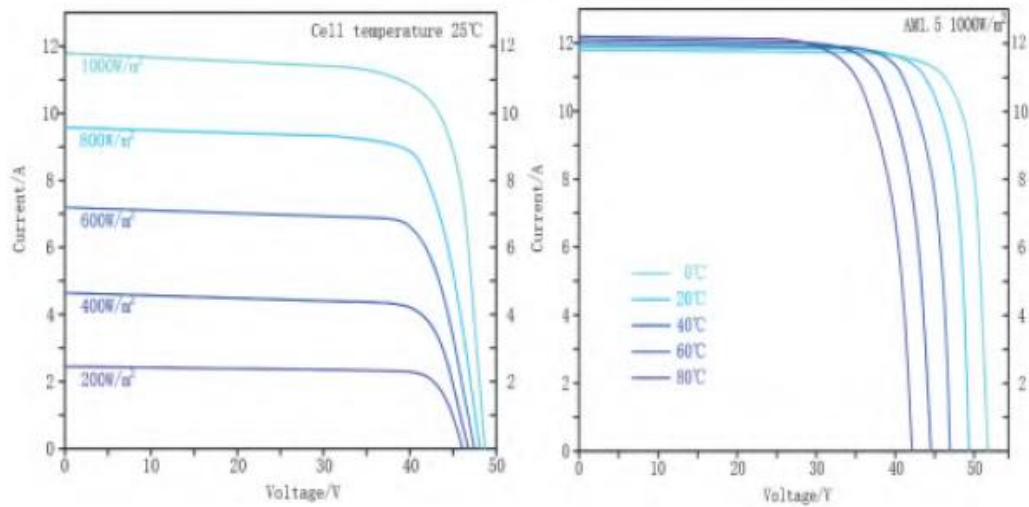
Temperature Characteristics

Dimensions	2148×1020×35 mm (L×W×H)	NMOT	42.3°C (±2)
Weight	25.52kg	Temperature Coefficient of Voc	-0.27%/°C
Front Glass	White toughened safety glass, 3.2mm	Temperature Coefficient of Isc	0.04%/°C
Cells	210*210 PERC solar cells	Temperature Coefficient of P_m	-0.34%/°C
Back Sheet	high weatherability backsheet	Maximum Ratings	
Frame	Anodized aluminum profile	Maximum System Voltage [V]	DC 1500IEC)
Junction Box	IP68, TUV, two diodes	Series Fuse Rating [A]	20
Cable	Length 900mm, 1×4mm ²	Maximum Surface Load Capacity [Pa]	5,400
Connector	Compatible with MC4	Temperature Range [°C]	-40~+85
		Withstanding Hail	Maximum diameter of 25 mm with impact speed of 23 m/s

Package

container	20' GP
Number of modules per container	330
container	40' HQ
Number of modules per container	600

I-V curve



Specification of Shingled Monocrystalline solar module



KEY features

Technology:

Technology provides ultra-high efficiency,
Maximizes installation capacity in limited space.

Beautiful appearance:

Cells are evenly arranged, pleasing to the eye.

Enhanced weather resistance:

Avoid the microcrack of cells caused by traditional welding process; Modules are flexible and compressive resistance; Suitable for all harsh environments

Reduce system cost:

High module efficiency reduces floor space effectively, BOS, transportation and maintenance costs

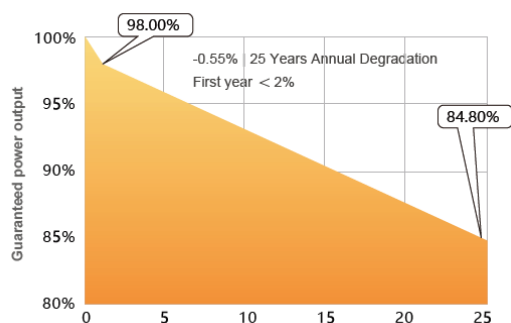
Strong compatibility:

Can be equipped with a variety of mainstream high efficient (PERC, SHJ) cells.

Anti-LID / PID:

To ensure higher actual yield during lifetime.

Warranty



15
year

material process warranty

25
year

linear power output warranty

Electrical Characteristics at Standard Test Conditions(STC)

AN-210X30_10_38	550
Maximum Power-Pm [W]	550
Open Circuit Voltage-Voc [V]	53.63
Short Circuit Current-Isc [A]	12.65
Maximum Power Voltage-Vm [V]	45.84
Maximum Power Current-Im [A]	12.00
Module Efficiency-η [%]	21.55

NOTE:

1. Standard Test Conditions [STC]: irradiance 1000 W/m²; AM 1.5; ambient temperature 25℃ according to EN 60904-3;
2. Nominal Module Operating Temperature (NMOT): Irradiance 800W/ m²; wind speed 1m/s; ambient temperature 20℃
3. Tolerance of Pm: 0~+5W, Measuring uncertainty of power: ±3%. Performance deviation of Voc [V], Isc [A], Vm [V] and Im [A]: ±3%.

Mechanical Characteristics

Dimensions	2148×1188×35 mm (L×W×H)
Weight	28.07kg
Front Glass	White toughened safety glass, 3.2mm
Cells	210*210 PERC solar cells
Back Sheet	high weatherability backsheet
Frame	Anodized aluminum profile
Junction Box	IP68, TUV, two diodes
Cable	Length 900mm, 1×4mm ²
Connector	Compatible with MC4

Temperature Characteristics

NMOT	42.3℃ (±2)
Temperature Coefficient of Voc	-0.27%/℃
Temperature Coefficient of Isc	0.04%/℃
Temperature Coefficient of Pm	-0.34%/℃
Maximum Ratings	
Maximum System Voltage [V]	DC 1500IEC)
Series Fuse Rating [A]	20
Maximum Surface Load Capacity [Pa]	5,400
Temperature Range [°C]	-40~+85
Withstanding Hail	Maximum diameter of 25 mm with impact speed of 23 m/s

Package

container	40' HQ
Number of pallets per container	31
Number of modules per ontainer	600

I-V curve

