

Nelson 72P 325 Watt POLY-CRYSTALLINE MODULE

Positive power tolerance of 0~+5W

ISO9001:2008, ISO14001:2004

certified factory.

IEC61215, IEC61730 certified products.

(5BB)



KEY FEATURES



High Power Output:

With up to 325 Wp and 19.00 % efficiency, highest performing module of its kind on the market.



Low-light Performance:

Excellent performance in low-light environments.



Severe Weather Resilience:

Extremely weather resistant due to approval for increased snow and wind loads: 5400 Pa snow load, 2400 Pa wind load.

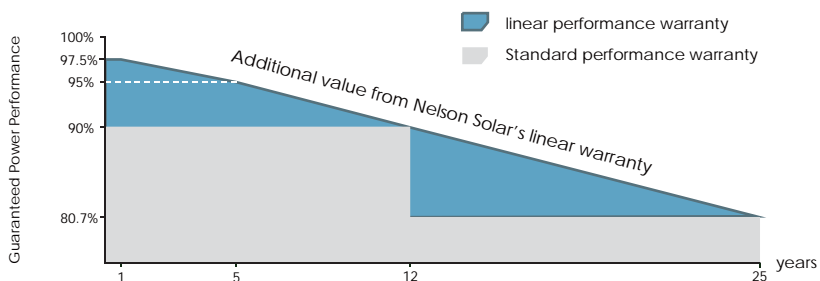


5 Busbar Solar Cell:

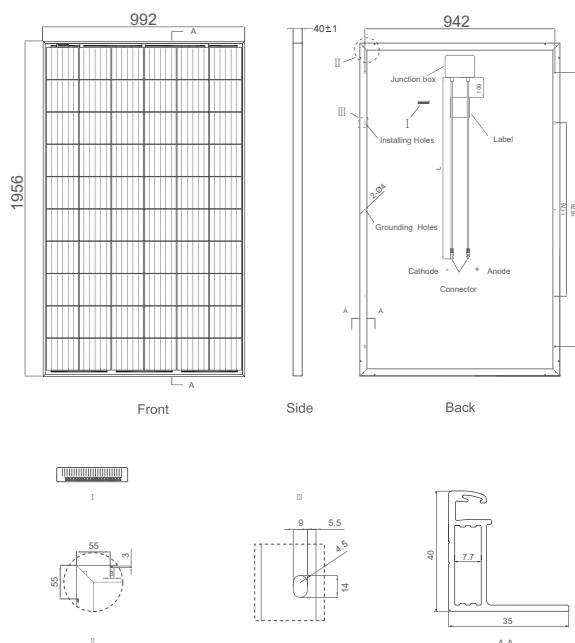
No power loss thanks to improved temperature co-efficient caused by 5 busbar solar cell.

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



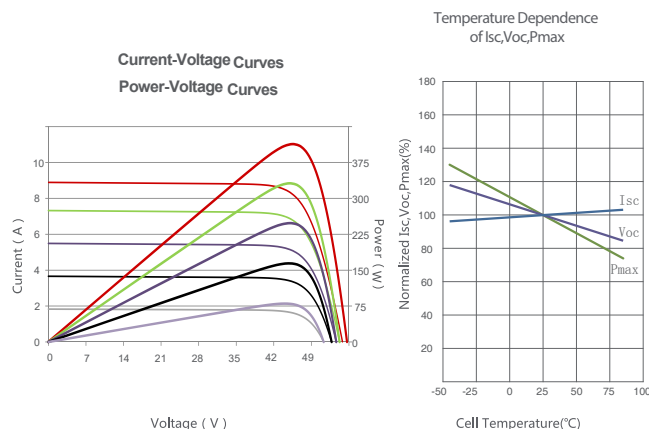
Engineering Drawings



Packaging Configuration

840 pcs/40'HQ Container; 960 pcs/45'HQ

Electrical Performance & Temperature Dependence



Mechanical Characteristics



Cell Type	Poly-crystalline 156×156mm (6 inch)
No. of cells	72 (6×12)
Dimensions	1956×992×40mm (77.00×39.05×1.57 inch)
Weight	22.0 kg (48.7 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	TÜV 1×4.0mm ² , Length: 900mm or Customized Length

SPECIFICATIONS

Module Type	NS-72-325P
	STC NOCT
Maximum Power (Pmax)	325Wp 235Wp
Maximum Power Voltage (Vmp)	37.6V 34.0V
Maximum Power Current (Imp)	8.66A 6.91A
Open-circuit Voltage (Voc)	46.7V 42.1V
Short-circuit Current (Isc)	9.10A 7.49A
Efficiency STC (%)	19.00%
Operating Temperature(°C)	-40°C~+85°C
Maximum system voltage	1000VDC (IEC)
Maximum series fuse rating	15A
Power tolerance	0~+5W
Temperature coefficients of Pmax	-0.41%/°C
Temperature coefficients of Voc	-0.31%/°C
Temperature coefficients of Isc	0.06%/°C
Nominal operating cell temperature (NOCT)	45±2°C

*STC:  Irradiance 1000W/m²  Cell Temperature 25°C

 AM=1.5

NOCT:  Irradiance 800W/m²  Ambient Temperature 20°C

 AM=1.5

 Wind Speed 1m/s

* Power measurement tolerance: ± 3%

Nelson 72M 340 Watt MONO-CRYSTALLINE MODULE

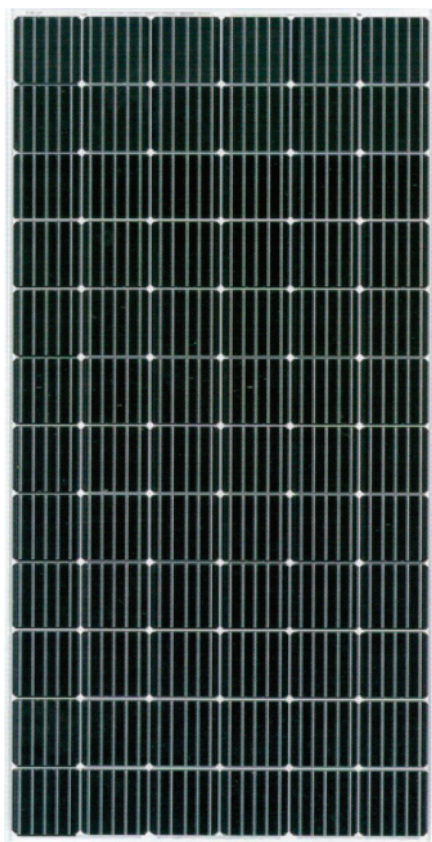
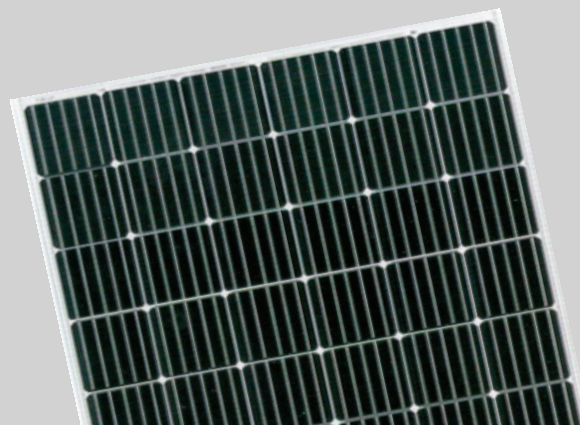
Positive power tolerance of 0~+5W

ISO9001:2008-ISO14001:2004

certified factory.

IEC61215、IEC61730 certified products.

(5BB)



KEY FEATURES



High Power Output:

With up to 340 Wp and 20.00 % efficiency, highest performing module of its kind on the market.



Low-light Performance:

Excellent performance in low-light environments.



Severe Weather Resilience:

Extremely weather resistant due to approval for increased snow and wind loads: 5400 Pa snow load, 2400 Pa wind load.

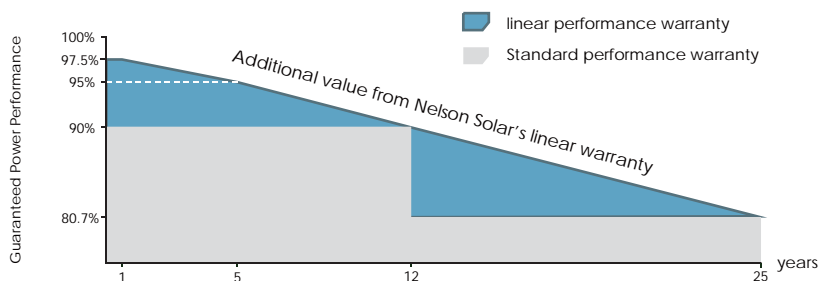


5 Busbar Solar Cell:

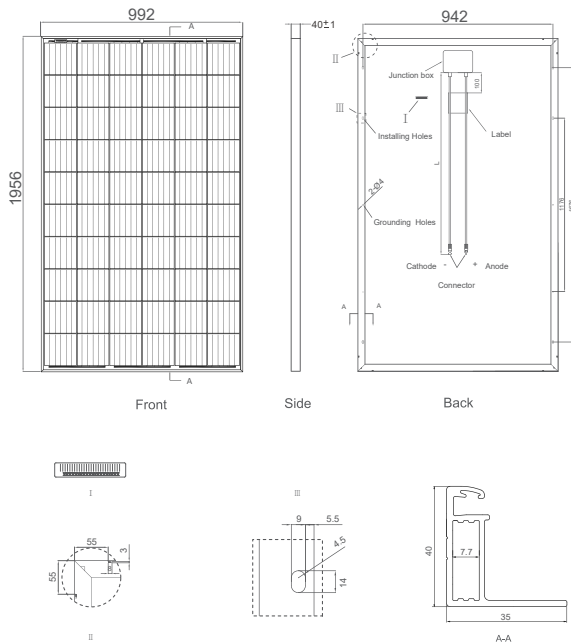
No power loss thanks to improved temperature co-efficient caused by 5 busbar solar cell.

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



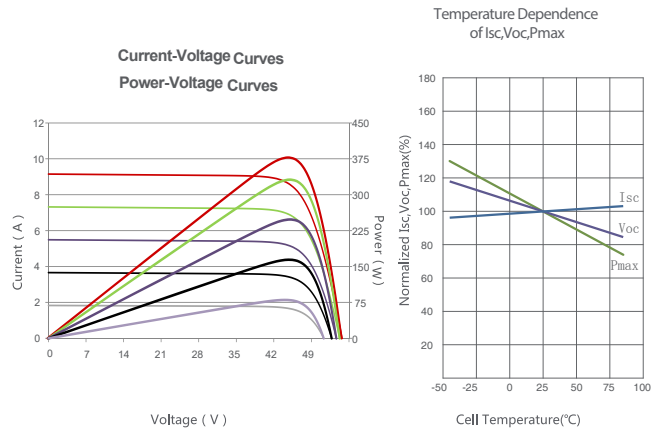
Engineering Drawings



Packaging Configuration

840 pcs/40'HQ Container ;960 pcs/45'HQ

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Mono-crystalline 156×156mm (6 inch)
No. of cells	72 (6×12)
Dimensions	1956×992×40mm (77.05×39.05×1.57 inch)
Weight	22.0 kg (49.6 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	TÜV 1×4.0mm ² , Length: 900mm or Customized Length

SPECIFICATIONS

Module Type	NS-72-340M	
	STC	NOCT
Maximum Power (Pmax)	340Wp	255Wp
Maximum Power Voltage (Vmp)	38.8V	37.0V
Maximum Power Current (Imp)	8.76A	6.90A
Open-circuit Voltage (Voc)	47.0V	45.8V
Short-circuit Current (Isc)	9.20A	7.25A
Efficiency STC (%)	20.00%	
Operating Temperature(°C)	-40°C~+85°C	
Maximum system voltage	1000VDC (IEC)	
Maximum series fuse rating	15A	
Power tolerance	0~+5W	
Temperature coefficients of Pmax	-0.41%/°C	
Temperature coefficients of Voc	-0.31%/°C	
Temperature coefficients of Isc	0.06%/°C	
Nominal operating cell temperature (NOCT)	45±2°C	

*STC: Irradiance 1000W/m² Cell Temperature 25°C AM=1.5

NOCT: Irradiance 800W/m² Ambient Temperature 20°C AM=1.5 Wind Speed 1m/s

* Power measurement tolerance: ± 3%

Nelson 60P 275 Watt

POLY-CRYSTALLINE MODULE

Positive power tolerance of 0~+5W

ISO9001:2008·ISO14001:2004

certified factory.

IEC61215·IEC61730 certified products.

(5BB)



KEY FEATURES



High Power Output:

With up to 275 Wp and 18.20 % efficiency, highest performing module of its kind on the market.



Low-light Performance:

Excellent performance in low-light environments.



Severe Weather Resilience:

Extremely weather resistant due to approval for increased snow and wind loads: 5400 Pa snow load, 2400 Pa wind load.

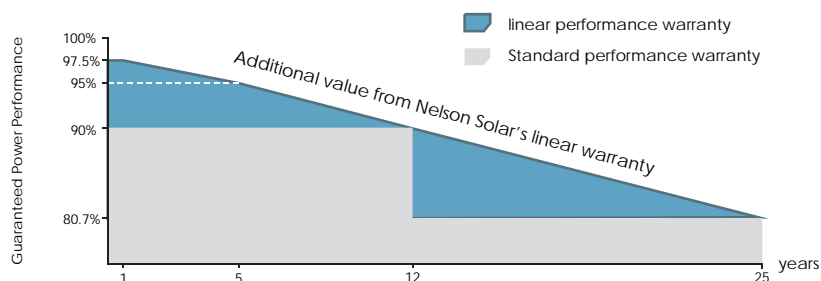


5 Busbar Solar Cell:

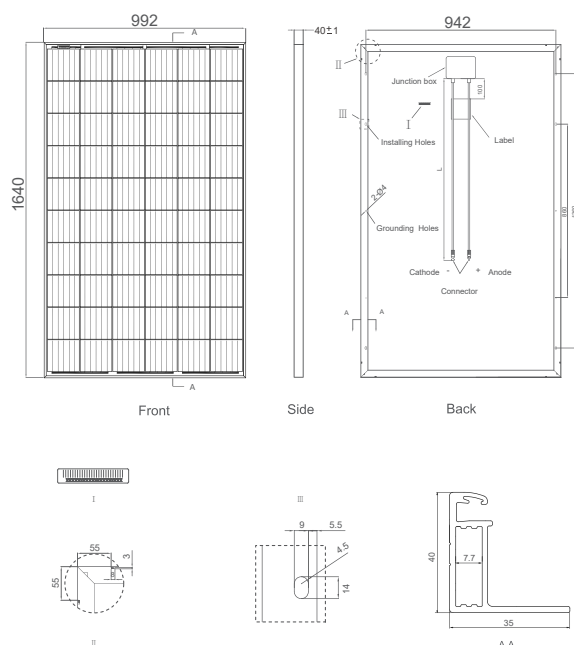
No power loss thanks to improved temperature co-efficient caused by 5 busbar solar cell.

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



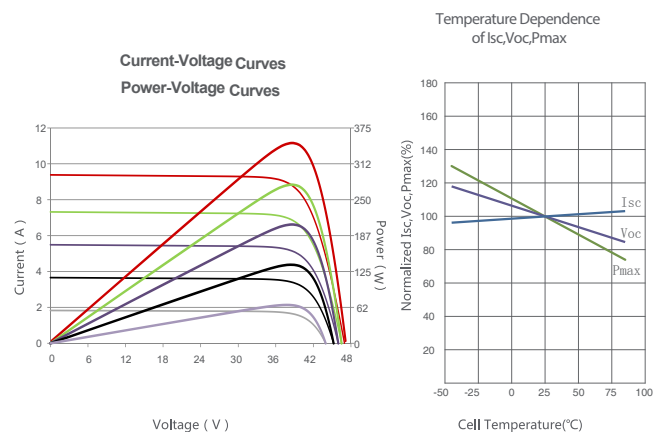
Engineering Drawings



Packaging Configuration

1000 pcs/40'HQ Container; 1150 pcs/45'HQ

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Poly-crystalline	156.75×156.75mm (6 inch)
No. of cells	60 (6×10)	
Dimensions	1640×992×40mm (64.60×39.05×1.57 inch)	
Weight	18.0 kg (39.8 lbs)	
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass	
Frame	Anodized Aluminium Alloy	
Junction Box	IP67 Rated	
Output Cables	TÜV 1×4.0mm ² , Length: 900mm or Customized Length	

SPECIFICATIONS

Module Type	NS-60-275P	
	STC	NOCT
Maximum Power (Pmax)	275Wp	201Wp
Maximum Power Voltage (Vmp)	31.4V	29.2V
Maximum Power Current (Imp)	8.76A	6.89A
Open-circuit Voltage (Voc)	38.6V	36.0V
Short-circuit Current (Isc)	9.22A	7.43A
Efficiency STC (%)	18.20%	
Operating Temperature(°C)	-40°C~+85°C	
Maximum system voltage	1000VDC (IEC)	
Maximum series fuse rating	15A	
Power tolerance	0~+5W	
Temperature coefficients of Pmax	-0.41%/°C	
Temperature coefficients of Voc	-0.31%/°C	
Temperature coefficients of Isc	0.06%/°C	
Nominal operating cell temperature (NOCT)	45±2°C	

*STC: ☀ Irradiance 1000W/m² 📐 Cell Temperature 25°C

☁ AM=1.5

NOCT: ☀ Irradiance 800W/m² 📐 Ambient Temperature 20°C

☁ AM=1.5

🌀 Wind Speed 1m/s

* Power measurement tolerance: ± 3%

Nelson 60M 285 Watt MONO-CRYSTALLINE MODULE

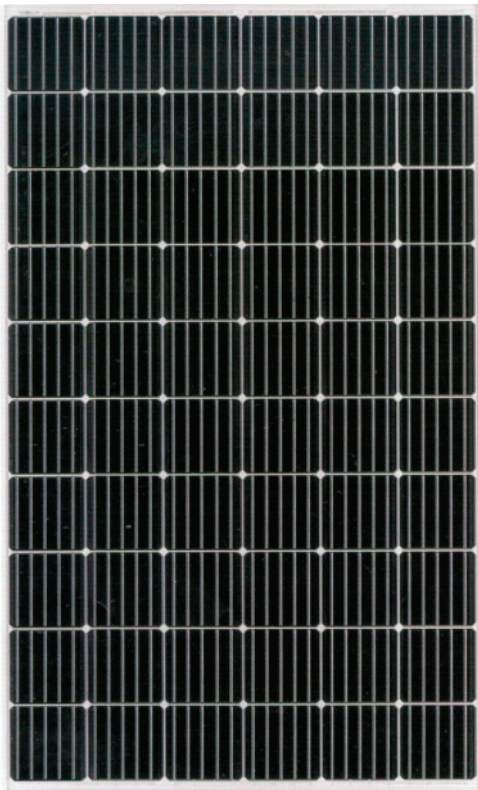
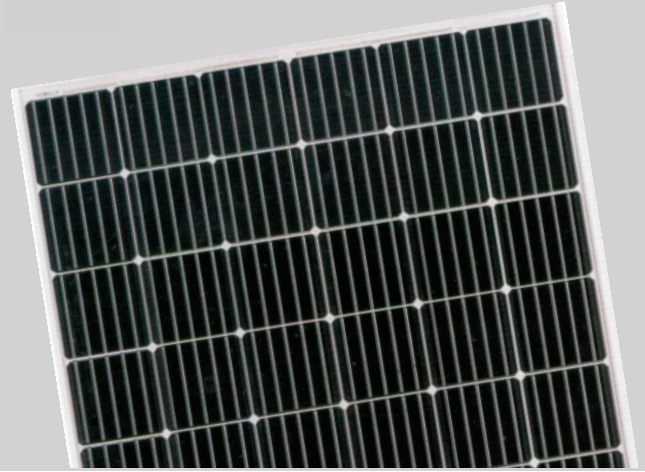
Positive power tolerance of 0~+5W

ISO9001:2008-ISO14001:2004

certified factory.

IEC61215, IEC61730 certified products.

(5BB)



KEY FEATURES



High Power Output:

With up to 285Wp and 19.00 % efficiency, highest performing module of its kind on the market.



Low-light Performance:

Excellent performance in low-light environments.



Severe Weather Resilience:

Extremely weather resistant due to approval for increased snow and wind loads: 5400 Pa snow load, 2400 Pa wind load.

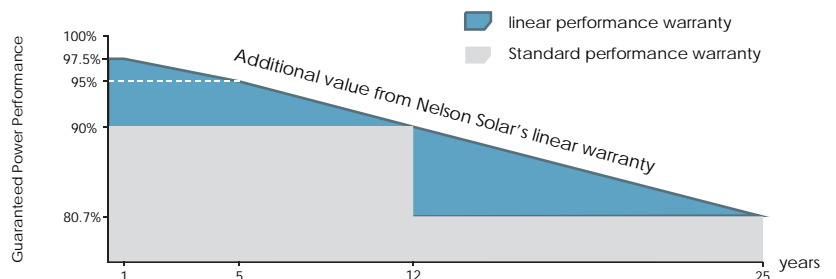


5 Busbar Solar Cell:

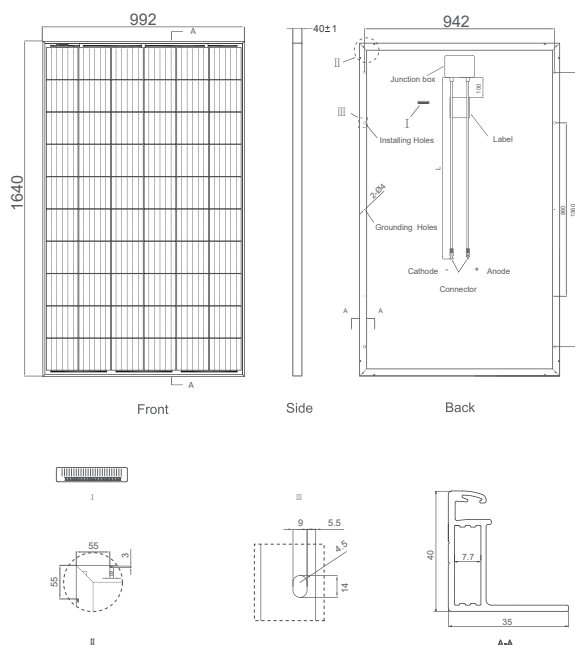
No power loss thanks to improved temperature co-efficient caused by 5 busbar solar cell.

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



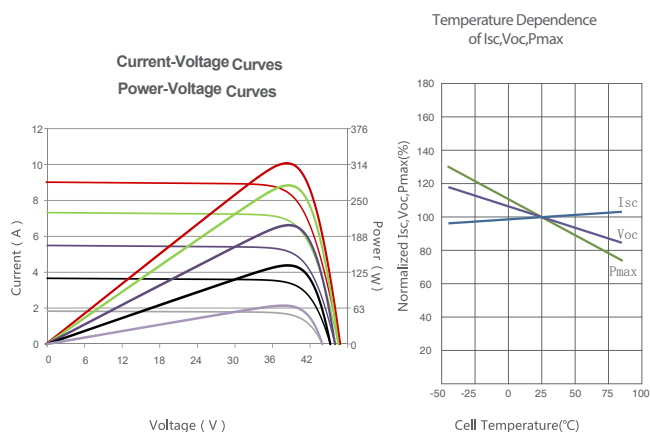
Engineering Drawings



Packaging Configuration

1000 pcs/40'HQ Container ; 1150 pcs/45'HQ

Electrical Performance & Temperature Dependence



Mechanical Characteristics



Cell Type	Mono-crystalline 156×156mm (6 inch)
No. of cells	60 (6×10)
Dimensions	1640×992×40mm (64.60×39.05×1.57 inch)
Weight	18.0 kg (39.7 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	TÜV 1×4.0mm ² , Length: 900mm or Customized Length

SPECIFICATIONS

Module Type	NS-60-285M	
	STC	NOCT
Maximum Power (Pmax)	285Wp	213Wp
Maximum Power Voltage (Vmp)	31.5V	29.8V
Maximum Power Current (Imp)	9.05A	7.15A
Open-circuit Voltage (Voc)	38.6V	36.2V
Short-circuit Current (Isc)	9.59A	7.58A
Efficiency STC (%)	19.00%	
Operating Temperature(°C)	-40°C~+85°C	
Maximum system voltage	1000VDC (IEC)	
Maximum series fuse rating	15A	
Power tolerance	0~+5W	
Temperature coefficients of Pmax	-0.41%/°C	
Temperature coefficients of Voc	-0.31%/°C	
Temperature coefficients of Isc	0.06%/°C	
Nominal operating cell temperature (NOCT)	45±2°C	

*STC:  Irradiance 1000W/m²  Cell Temperature 25°C

 AM=1.5

NOCT:  Irradiance 800W/m²  Ambient Temperature 20°C

 AM=1.5

 Wind Speed 1m/s

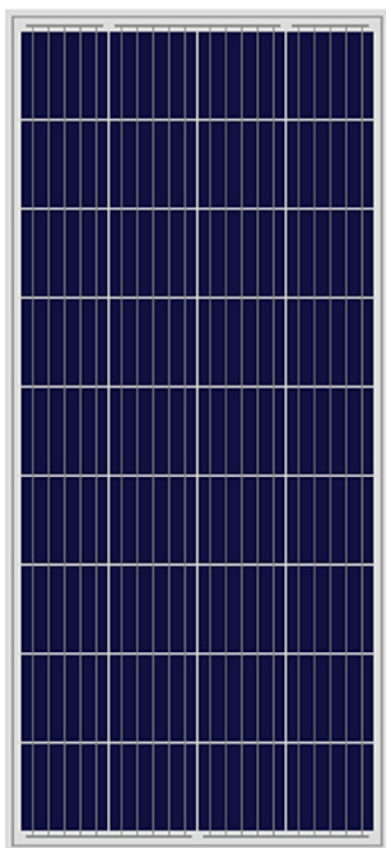
* Power measurement tolerance: ± 3%

Nelson 36P 160 Watt POLY-CRYSTALLINE MODULE

Positive power tolerance of 0~+5W

ISO9001:2008, ISO14001:2004
certified factory.
IEC61215, IEC61730 certified products.

(5BB)



KEY FEATURES



High Power Output:

With up to 160 Wp and 17.30 % efficiency, highest performing module of its kind on the market.



Low-light Performance:

Excellent performance in low-light environments.



Severe Weather Resilience:

Extremely weather resistant due to approval for increased snow and wind loads: 5400 Pa snow load, 2400 Pa wind load.



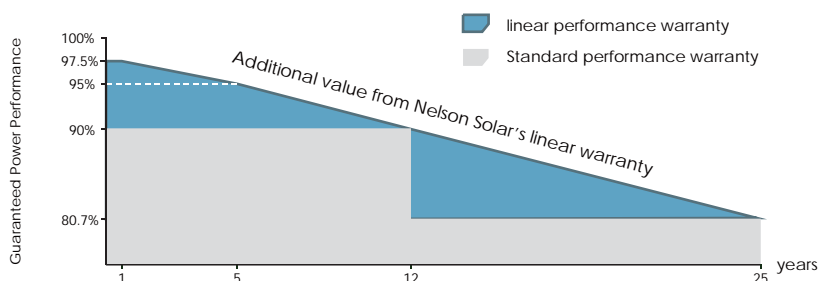
5 Busbar Solar Cell:

No power loss thanks to improved temperature co-efficient caused by 5 busbar solar cell.

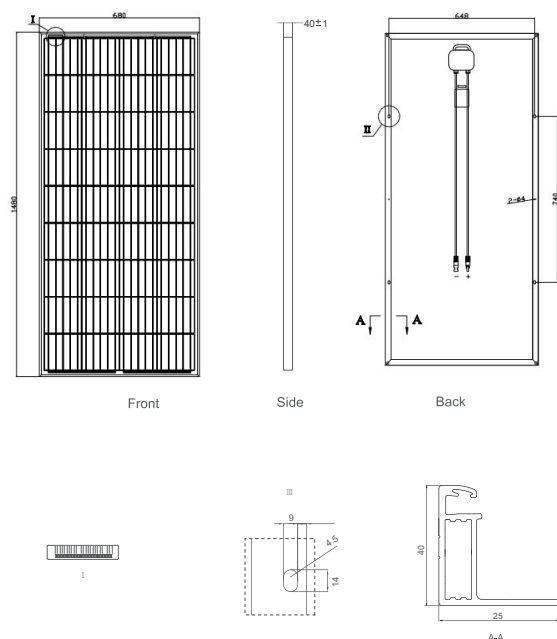


LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



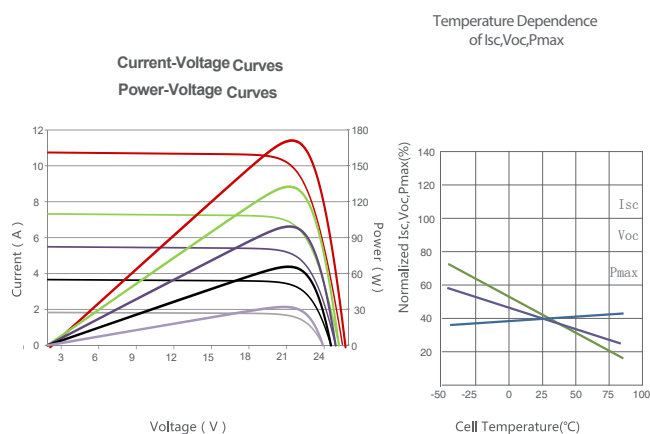
Engineering Drawings



Packaging Configuration

1680 pcs/40'HQ Container; 1920 pcs/45'HQ

Electrical Performance & Temperature Dependence



Mechanical Characteristics



Cell Type	Poly-crystalline 156.75×156.75mm (6 inch)
No. of cells	36 (4×9)
Dimensions	1480×680×40mm (58.30×26.80×1.57 inch)
Weight	10.5 kg (23.3 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP65 Rated
Output Cables	TÜV 1×4.0mm ² , Length: 900mm or Customized Length

SPECIFICATIONS

Module Type	NS-36-160P	
	STC	NOCT
Maximum Power (Pmax)	160Wp	118Wp
Maximum Power Voltage (Vmp)	18.6V	17.2V
Maximum Power Current (Imp)	8.60A	6.86A
Open-circuit Voltage (Voc)	22.7V	21.6V
Short-circuit Current (Isc)	9.03A	7.28A
Efficiency STC (%)	17.30%	
Operating Temperature(°C)	-40°C~+85°C	
Maximum system voltage	1000VDC (IEC)	
Maximum series fuse rating	15A	
Power tolerance	0~+5W	
Temperature coefficients of Pmax	-0.41%/°C	
Temperature coefficients of Voc	-0.31%/°C	
Temperature coefficients of Isc	0.06%/°C	
Nominal operating cell temperature (NOCT)	45±2°C	

*STC:  Irradiance 1000W/m²  Cell Temperature 25°C

 AM=1.5

NOCT:  Irradiance 800W/m²  Ambient Temperature 20°C

 AM=1.5

 Wind Speed 1m/s

* Power measurement tolerance: ± 3%

Nelson 36P 120 Watt POLY-CRYSTALLINE MODULE

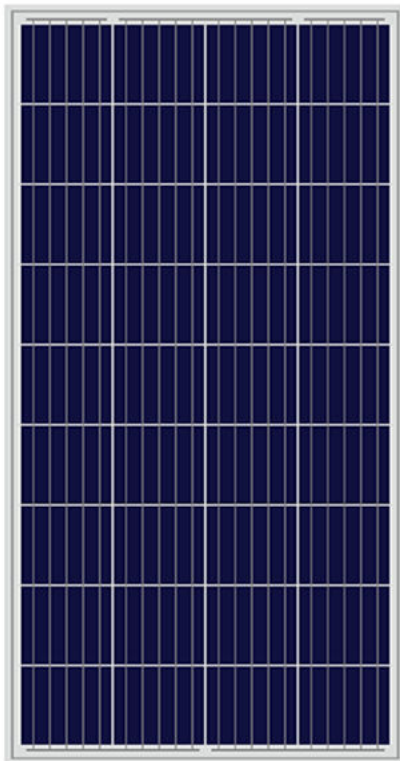
Positive power tolerance of 0~+5W

ISO9001:2008·ISO14001:2004

certified factory.

IEC61215, IEC61730 certified products.

(5BB)



KEY FEATURES



High Power Output:

With up to 120 Wp and 17.00 % efficiency, highest performing module of its kind on the market.



Low-light Performance:

Excellent performance in low-light environments.



Severe Weather Resilience:

Extremely weather resistant due to approval for increased snow and wind loads: 5400 Pa snow load, 2400 Pa wind load.



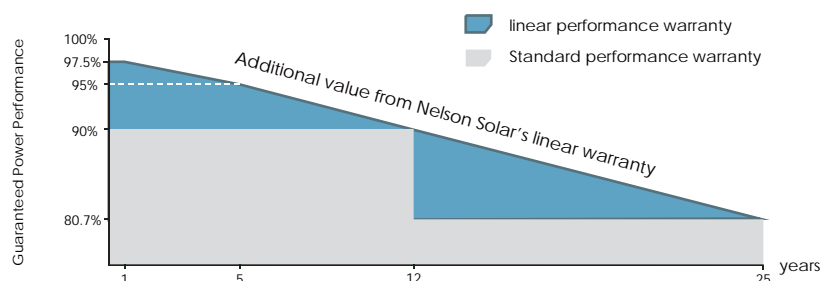
5 Busbar Solar Cell:

No power loss thanks to improved temperature co-efficient caused by 5 busbar solar cell.

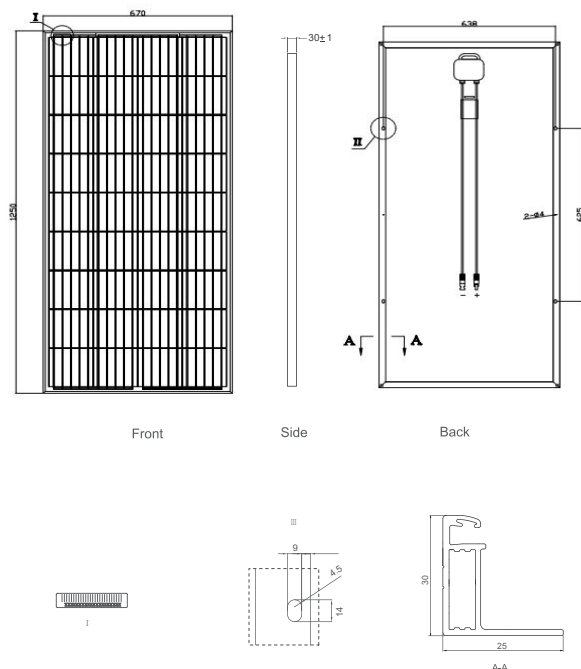


LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



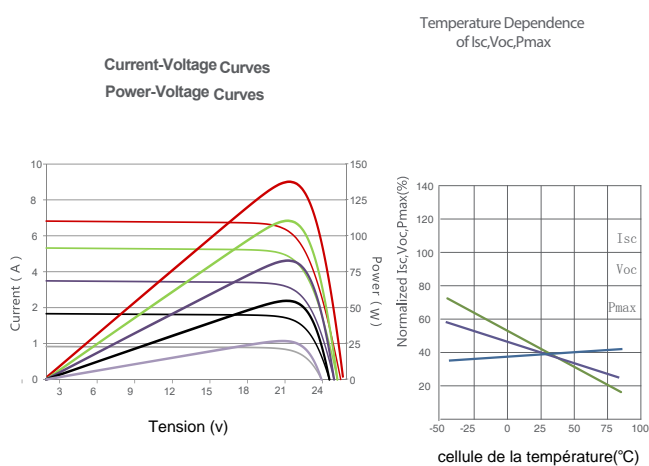
Engineering Drawings



Packaging Configuration

2350 pcs/40'HQ Container; 2650 pcs/45'HQ

Electrical Performance & Temperature Dependence






Mechanical Characteristics

Cell Type	Poly-crystalline	156.75×130.00mm
No. of cells	36 (4×9)	
Dimensions	1250×670×30mm (49.20×26.40×1.18 inch)	
Weight	8.0 kg (17.7 lbs)	
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass	
Frame	Anodized Aluminium Alloy	
Junction Box	IP65 Rated	
Output Cables	TÜV 1×4.0mm ² , Length: 900mm or Customized Length	

SPECIFICATIONS

Module Type	NS-36-120P	
	STC	NOCT
Maximum Power (P_{max})	120Wp	89Wp
Maximum Power Voltage (V_{mp})	18.5V	17.0V
Maximum Power Current (I_{mp})	6.49A	5.24A
Open-circuit Voltage (V_{oc})	22.7V	21.2V
Short-circuit Current (I_{sc})	6.80A	5.52A
Efficiency STC (%)	17.00%	
Operating Temperature(°C)	-40°C~+85°C	
Maximum system voltage	1000VDC	
Maximum series fuse rating	15A	
Power tolerance	0~+5W	
Temperature coefficients of P_{max}	-0.41%/°C	
Temperature coefficients of V_{oc}	-0.31%/°C	
Temperature coefficients of I_{sc}	0.06%/°C	
Nominal operating cell temperature (NOCT)	45±2°C	

*STC:  Irradiance 1000W/m²  Cell Temperature 25°C AM=1.5NOCT:  Irradiance 800W/m²  Ambient Temperature 20°C AM=1.5 Wind Speed 1m/s

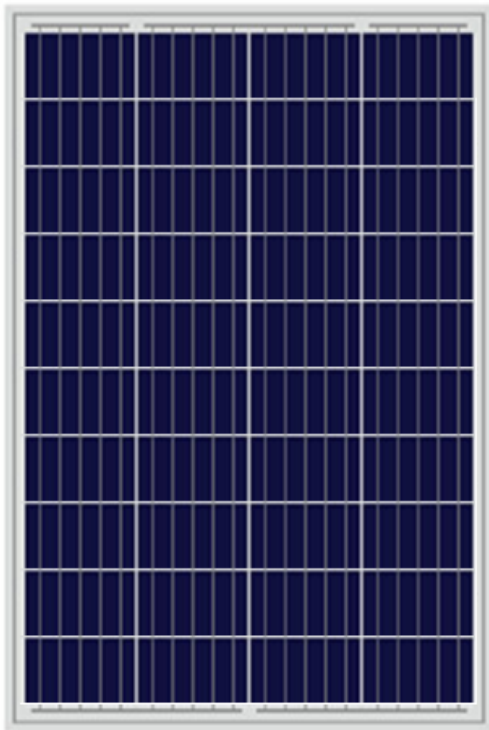
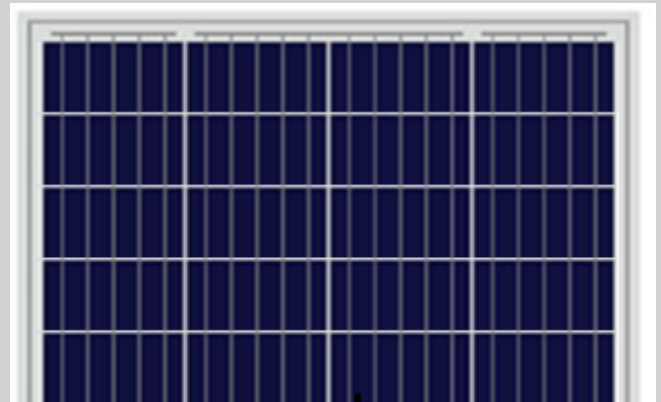
* Power measurement tolerance: ± 3%

Nelson 36P 100 Watt POLY-CRYSTALLINE MODULE

Positive power tolerance of 0~+5W

ISO9001:2008-ISO14001:2004
certified factory.
IEC61215-IEC61730 certified products.

(5BB)



KEY FEATURES



High Power Output:

With up to 100 Wp and 16.80 % efficiency, highest performing module of its kind on the market.



Low-light Performance:

Excellent performance in low-light environments.



Severe Weather Resilience:

Extremely weather resistant due to approval for increased snow and wind loads: 5400 Pa snow load, 2400 Pa wind load.



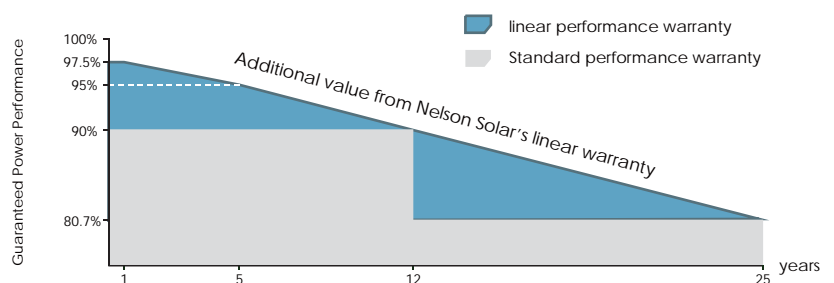
5 Busbar Solar Cell:

No power loss thanks to improved temperature co-efficient caused by 5 busbar solar cell.

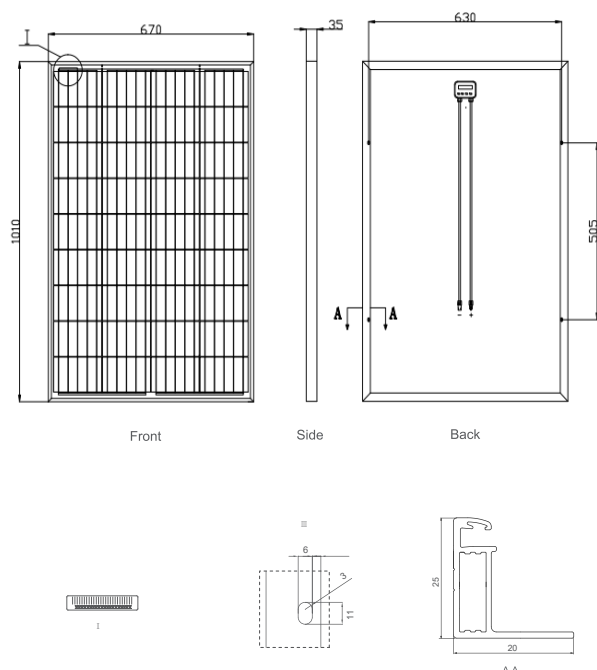


LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



Engineering Drawings

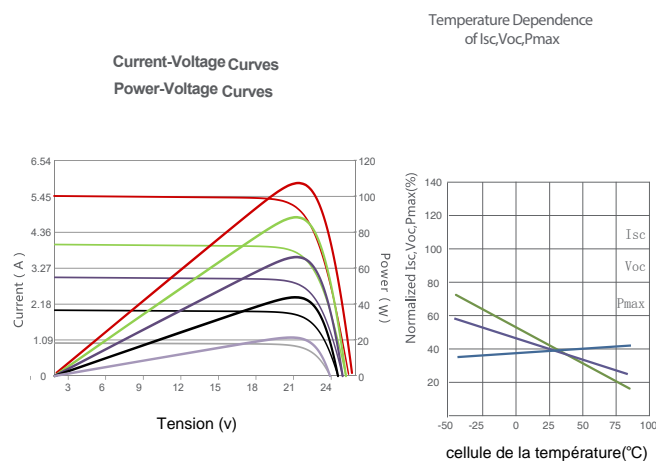


Packaging Configuration

2PCS/CTN

2890pcs/40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Poly-crystalline
No. of cells	36(4×9)
Dimensions	1010×670×30mm
Weight	6.90kg
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP65 Rated
Output Cables	TÜV 1×4.0mm ² , Length: 900mm or Customized Length

SPECIFICATIONS

Module Type	NS-36-100P
	STC NOCT
Maximum Power (P_{max})	100Wp 72Wp
Maximum Power Voltage (V_{mp})	18.3V 16.7V
Maximum Power Current (I_{mp})	5.46A 4.31A
Open-circuit Voltage (V_{oc})	22.5V 20.8V
Short-circuit Current (I_{sc})	5.74A 4.53A
Efficiency STC (%)	16.80%
Operating Temperature(°C)	-40°C~+85°C
Maximum system voltage	1000VDC
Maximum series fuse rating	15A
Power tolerance	0~+5W
Temperature coefficients of P_{max}	-0.41%/°C
Temperature coefficients of V_{oc}	-0.31%/°C
Temperature coefficients of I_{sc}	0.06%/°C
Nominal operating cell temperature (NOCT)	45±2°C

*STC:  Irradiance 1000W/m²  Cell Temperature 25°C

 AM=1.5

NOCT:  Irradiance 800W/m²  Ambient Temperature 20°C

 AM=1.5

 Wind Speed 1m/s

Nelson 36P 80 Watt POLY-CRYSTALLINE MODULE

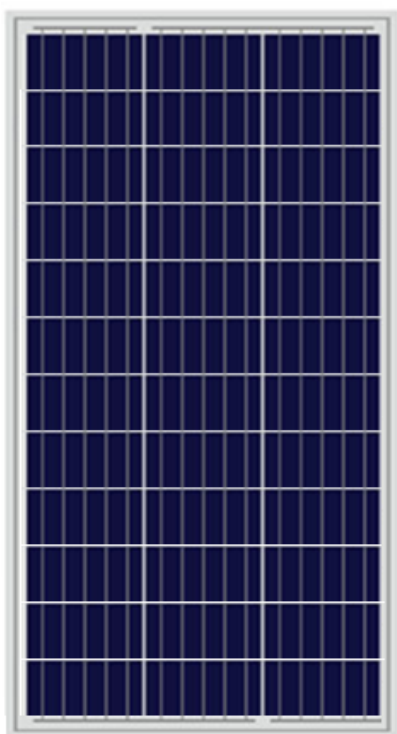
Positive power tolerance of 0~+5W

ISO9001:2008, ISO14001:2004

certified factory.

IEC61215, IEC61730 certified products.

(5BB)



KEY FEATURES



High Power Output:

With up to **80Wp** and **16.60 %** efficiency, highest performing module of its kind on the market.



Low-light Performance:

Excellent performance in low-light environments.



Severe Weather Resilience:

Extremely weather resistant due to approval for increased snow and wind loads: 5400 Pa snow load, 2400 Pa wind load.



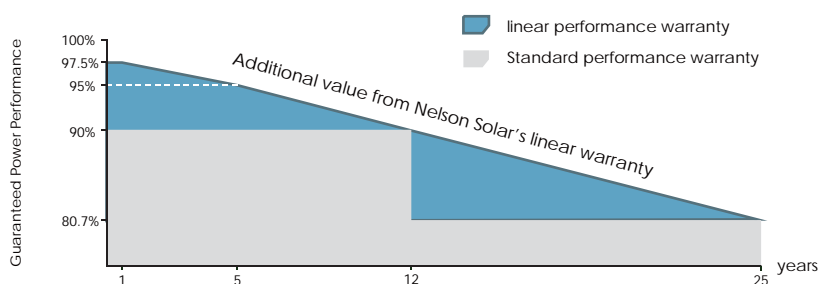
5 Busbar Solar Cell:

No power loss thanks to improved temperature co-efficient caused by 5 busbar solar cell.

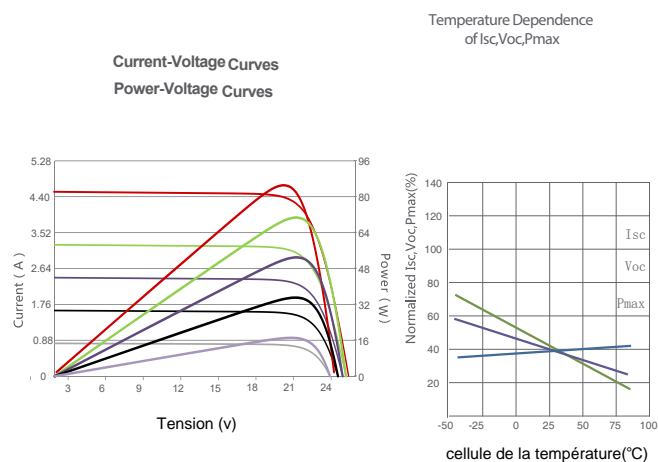


LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Poly-crystalline
No.of cells	36(3×12)
Dimensions	1200×510×30mm
Weight	6.25kg
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP65 Rated
Output Cables	TÜV 1×4.0mm ² , Length: 900mm or Customized Length

SPECIFICATIONS

Module Type	NS-36-80P	
	STC	NOCT
Maximum Power (Pmax)	80Wp	62Wp
Maximum Power Voltage (Vmp)	18.0V	16.4V
Maximum Power Current (Imp)	4.45A	3.78A
Open-circuit Voltage (Voc)	22.1V	20.5V
Short-circuit Current (Isc)	4.68A	3.97A
Efficiency STC (%)	16.60%	
Operating Temperature(°C)	-40°C~+85°C	
Maximum system voltage	1000VDC	
Maximum series fuse rating	10A	
Power tolerance	0~+5W	
Temperature coefficients of Pmax	-0.41%/°C	
Temperature coefficients of Voc	-0.31%/°C	
Temperature coefficients of Isc	0.06%/°C	
Nominal operating cell temperature (NOCT)	45±2°C	

 AM=1.5

 AM=1.5

 Wind Speed 1m/s

Nelson 36P 50 Watt POLY-CRYSTALLINE MODULE

Positive power tolerance of 0~+5W

ISO9001:2008, ISO14001:2004

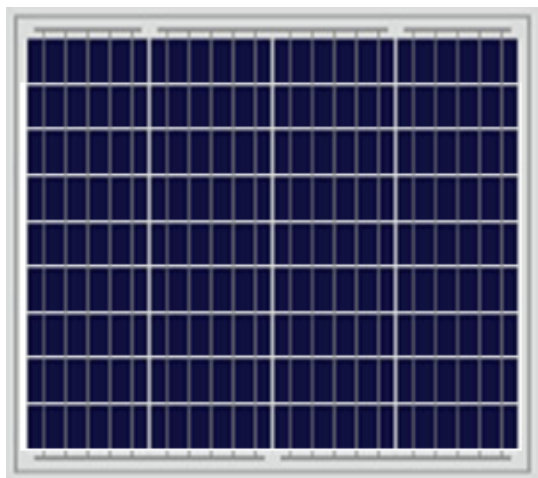
certified factory.

IEC61215, IEC61730 certified products.

(5BB)



KEY FEATURES



High Power Output:

With up to 50Wp and 16.40 % efficiency, highest performing module of its kind on the market.



Low-light Performance:

Excellent performance in low-light environments.



Severe Weather Resilience:

Extremely weather resistant due to approval for increased snow and wind loads: 5400 Pa snow load, 2400 Pa wind load.



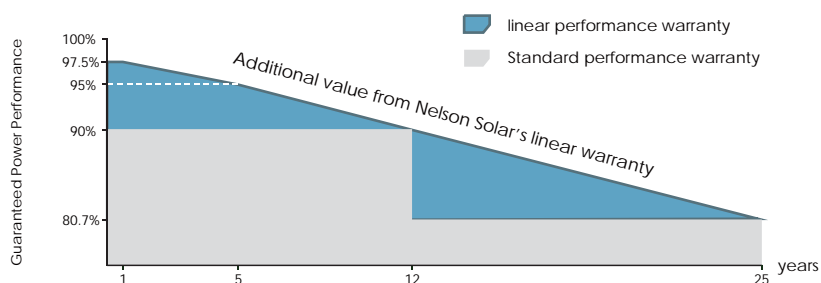
5 Busbar Solar Cell:

No power loss thanks to improved temperature co-efficient caused by 5 busbar solar cell.

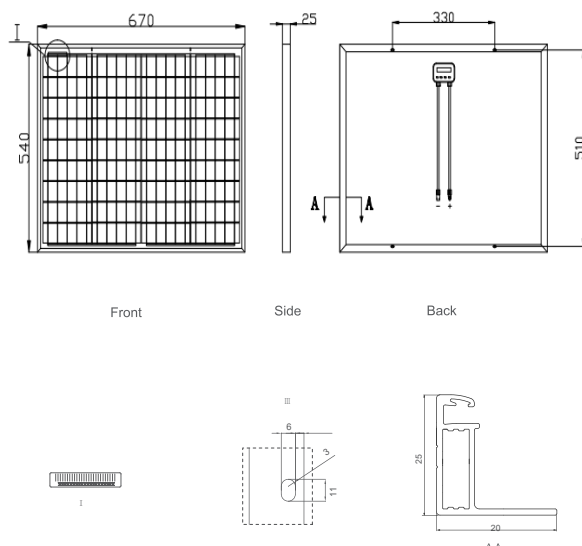


LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



Engineering Drawings

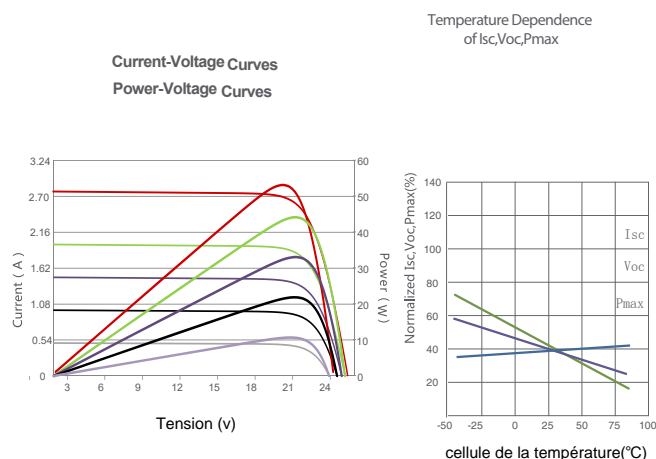


Packaging Configuration

5PCS/CTN

6460pcs/40'HQContainer

Electrical Performance & Temperature Dependence



Mechanical Characteristics



Cell Type	Poly-crystalline 156.75×52.00mm
No. of cells	36(4×9)
Dimensions	540×670×25mm
Weight	4.20kg
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP65 Rated
Output Cables	TÜV 1×4.0mm ² , Length: 900mm or Customized Length

SPECIFICATIONS

Module Type	NS-36-50P
	STC NOCT
Maximum Power (P_{max})	50Wp 36Wp
Maximum Power Voltage (V_{mp})	18.0V 16.4V
Maximum Power Current (I_{mp})	2.78A 2.20A
Open-circuit Voltage (V_{oc})	22.1V 20.5V
Short-circuit Current (I_{sc})	2.92A 2.30A
Efficiency STC (%)	16.40%
Operating Temperature(°C)	-40°C~+85°C
Maximum system voltage	600VDC
Maximum series fuse rating	10A
Power tolerance	0~+5W
Temperature coefficients of P_{max}	-0.41%/°C
Temperature coefficients of V_{oc}	-0.31%/°C
Temperature coefficients of I_{sc}	0.06%/°C
Nominal operating cell temperature (NOCT)	45±2°C

*STC:  Irradiance 1000W/m²  Cell Temperature 25°C

 AM=1.5

NOCT:  Irradiance 800W/m²  Ambient Temperature 20°C

 AM=1.5

 Wind Speed 1m/s

Nelson 36P 30 Watt POLY-CRYSTALLINE MODULE

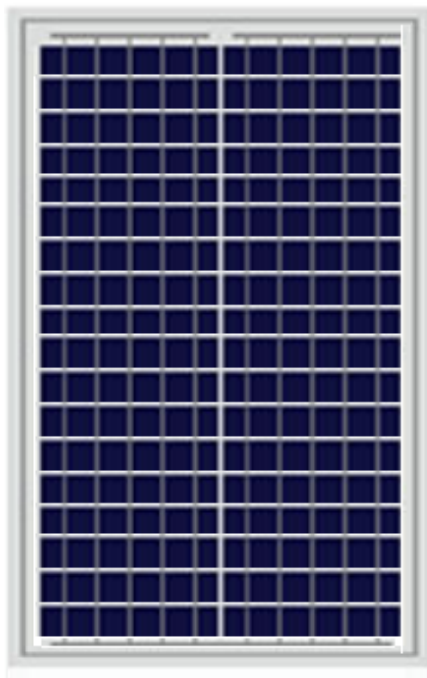
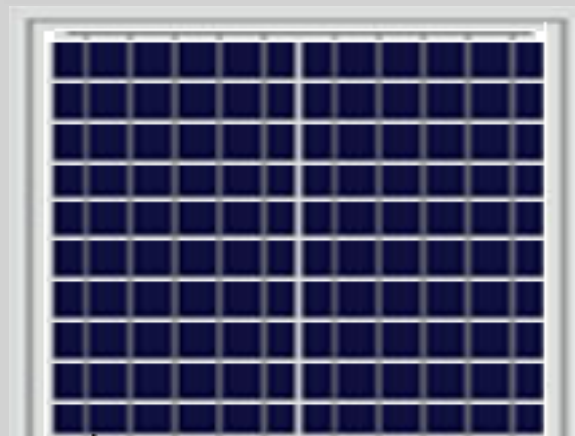
Positive power tolerance of 0~+5W

ISO9001:2008, ISO14001:2004

certified factory.

IEC61215, IEC61730 certified products.

(5BB)



KEY FEATURES



High Power Output:

With up to 30Wp and 16.20 % efficiency, highest performing module of its kind on the market.



Low-light Performance:

Excellent performance in low-light environments.



Severe Weather Resilience:

Extremely weather resistant due to approval for increased snow and wind loads: 5400 Pa snow load, 2400 Pa wind load.



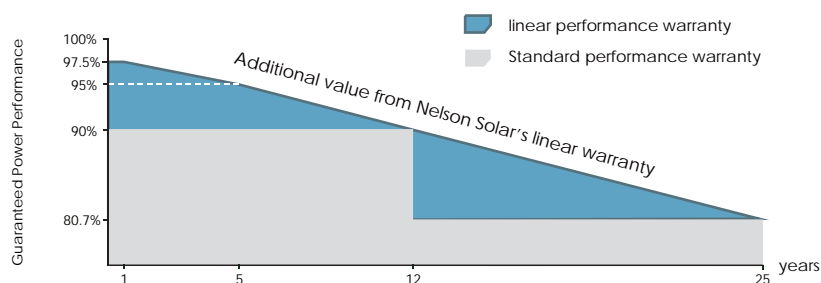
5 Busbar Solar Cell:

No power loss thanks to improved temperature co-efficient caused by 5 busbar solar cell.

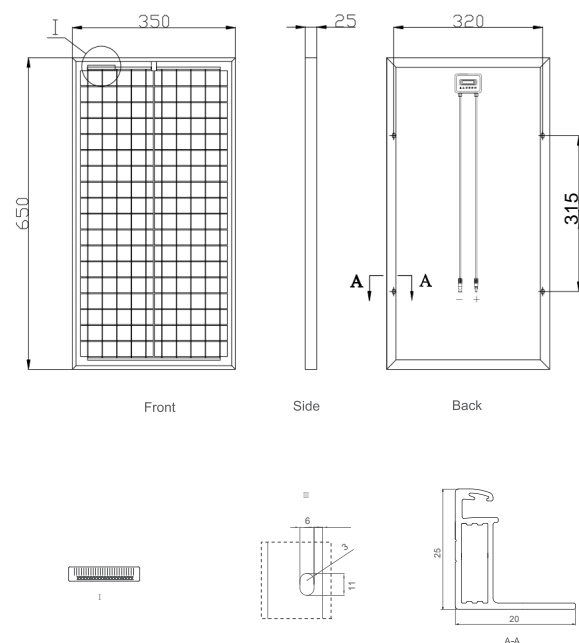


LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



Engineering Drawings

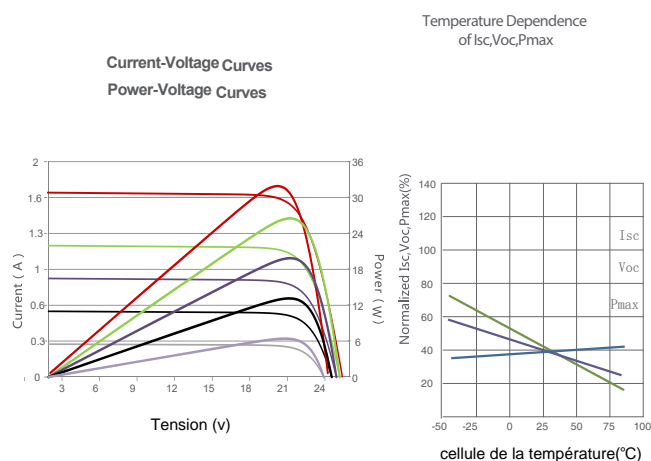


Packaging Configuration

10PCS/CTN

10000pcs/40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Poly-crystalline 156.75×31.20mm
No. of cells	36(2×18)
Dimensions	650×350×25mm
Weight	2.4kg
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP65 Rated
Output Cables	TÜV 1×4.0mm ² , Length: 900mm or Customized Length

SPECIFICATIONS

Module Type	NS-36-30P	
	STC	NOCT
Maximum Power (P_{max})	30Wp	20Wp
Maximum Power Voltage (V_{mp})	18.0V	16.4V
Maximum Power Current (I_{mp})	1.67A	1.22A
Open-circuit Voltage (V_{oc})	22.1V	20.5V
Short-circuit Current (I_{sc})	1.75A	1.28A
Efficiency STC (%)	16.20%	
Operating Temperature(°C)	-40°C~+85°C	
Maximum system voltage	600VDC	
Maximum series fuse rating	10A	
Power tolerance	0~+5W	
Temperature coefficients of P_{max}	-0.41%/°C	
Temperature coefficients of V_{oc}	-0.31%/°C	
Temperature coefficients of I_{sc}	0.06%/°C	
Nominal operating cell temperature (NOCT)	45±2°C	

*STC: Irradiance 1000W/m² Cell Temperature 25°C

AM=1.5

NOCT: Irradiance 800W/m² Ambient Temperature 20°C

AM=1.5

Wind Speed 1m/s

* Power measurement tolerance: ± 3%

Nelson 36P 20 Watt POLY-CRYSTALLINE MODULE

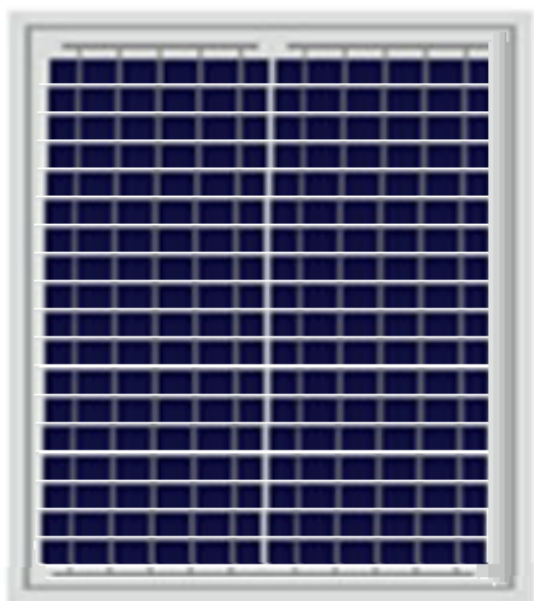
Positive power tolerance of 0~+5W

ISO9001:2008-ISO14001:2004

certified factory.

IEC61215-IEC61730 certified products.

(5BB)



KEY FEATURES



High Power Output:

With up to **20Wp** and **16.10 %** efficiency, highest performing module of its kind on the market.



Low-light Performance:

Excellent performance in low-light environments.



Severe Weather Resilience:

Extremely weather resistant due to approval for increased snow and wind loads: 5400 Pa snow load, 2400 Pa wind load.



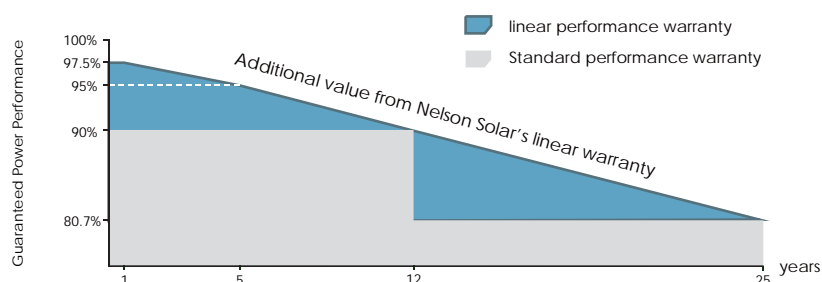
5 Busbar Solar Cell:

No power loss thanks to improved temperature co-efficient caused by 5 busbar solar cell.

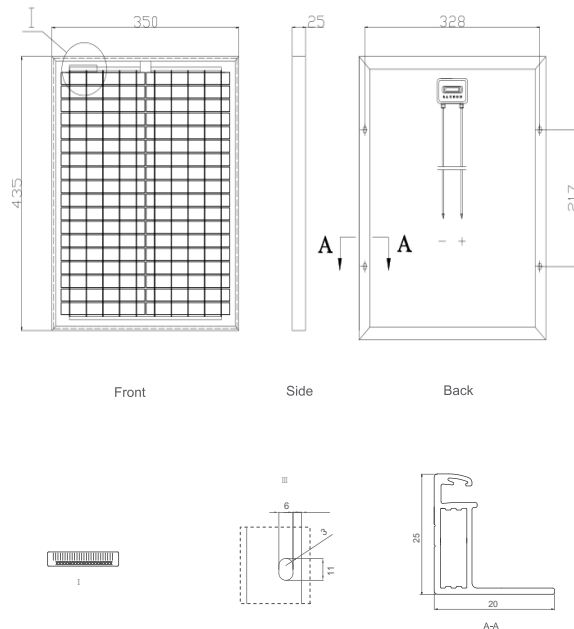


LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



Engineering Drawings

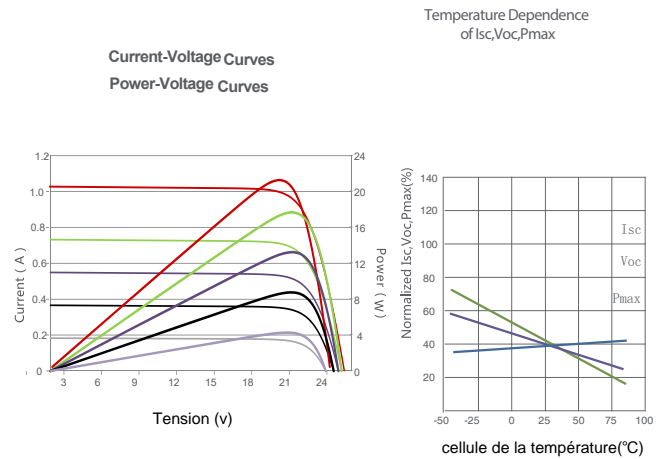


Packaging Configuration

10PCS/CTN

10000pcs/40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics


Cell Type	Poly-crystalline
No. of cells	36(2×18)
Dimensions	435×350×25mm
Weight	1.6kg
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP65 Rated
Output Cables	TÜV 1×4.0mm ² , Length: 600mm or Customized Length

SPECIFICATIONS

Module Type	NS-36-20P	
	STC	NOCT
Maximum Power (P_{max})	20Wp	12Wp
Maximum Power Voltage (V_{mp})	18.0V	15.6V
Maximum Power Current (I_{mp})	1.11A	0.77A
Open-circuit Voltage (V_{oc})	22.1V	19.1V
Short-circuit Current (I_{sc})	1.16A	0.80A
Efficiency STC (%)	16.10%	
Operating Temperature(°C)	-40°C~+85°C	
Maximum system voltage	600VDC	
Maximum series fuse rating	10A	
Power tolerance	0~+5W	
Temperature coefficients of P_{max}	-0.41%/°C	
Temperature coefficients of V_{oc}	-0.31%/°C	
Temperature coefficients of I_{sc}	0.06%/°C	
Nominal operating cell temperature (NOCT)	45±2°C	

*STC:  Irradiance 1000W/m²  Cell Temperature 25°C

 AM=1.5

NOCT:  Irradiance 800W/m²  Ambient Temperature 20°C

 AM=1.5

 Wind Speed 1m/s

* Power measurement tolerance: ± 3%

Nelson 36M 170 Watt MONO-CRYSTALLINE MODULE

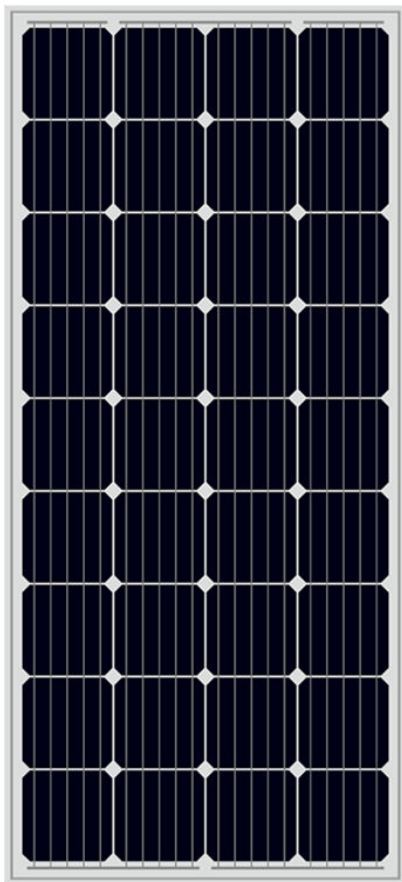
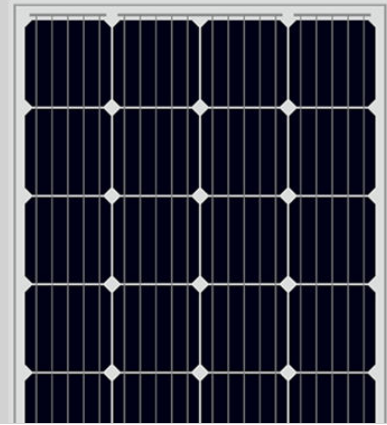
Positive power tolerance of 0~+5W

ISO9001:2008-ISO14001:2004

certified factory.

IEC61215、IEC61730 certified products.

(5BB)



KEY FEATURES



High Power Output:

With up to 170 Wp and 17.40 % efficiency, highest performing module of its kind on the market.



Low-light Performance:

Excellent performance in low-light environments.



Severe Weather Resilience:

Extremely weather resistant due to approval for increased snow and wind loads: 5400 Pa snow load, 2400 Pa wind load.

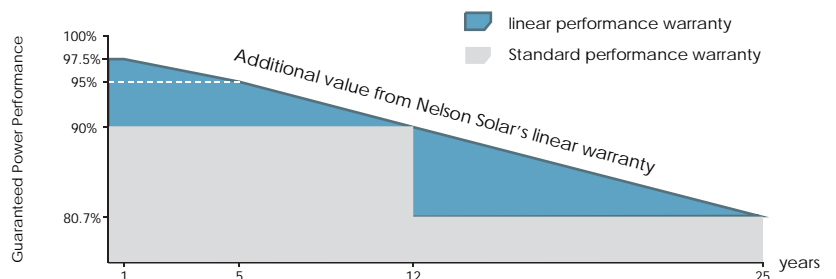


5 Busbar Solar Cell:

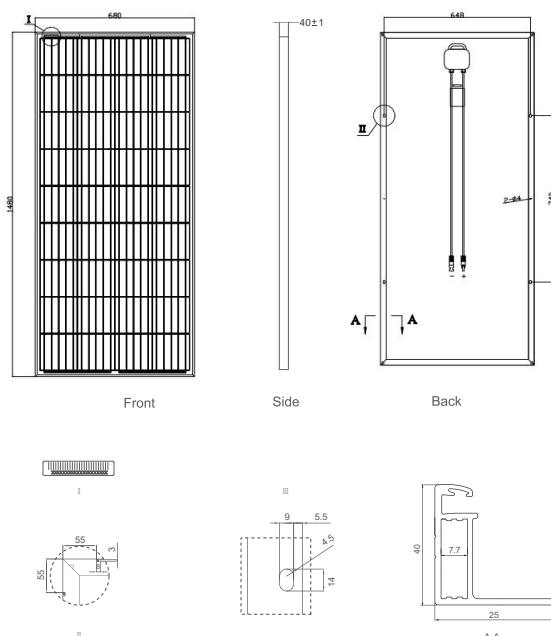
No power loss thanks to improved temperature co-efficient caused by 5 busbar solar cell.

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



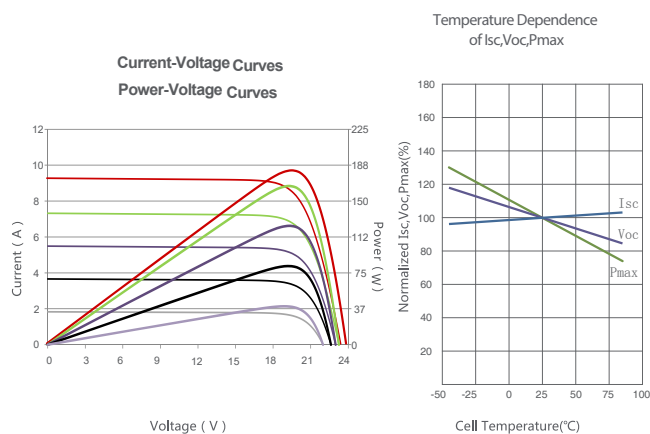
Engineering Drawings



Packaging Configuration

1680 pcs/40'HQ Container; 1920 pcs/45'HQ

Electrical Performance & Temperature Dependence



Mechanical Characteristics



Cell Type	Mono-crystalline 156.00×156.00mm (6 inch)
No. of cells	36 (4×9)
Dimensions	1480×680×40mm (58.30×26.40×1.18 inch)
Weight	10.5 kg (23.3 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP65 Rated
Output Cables	TÜV 1×4.0mm ² , Length: 900mm or Customized Length

SPECIFICATIONS

Module Type	NS-36-170M	
	STC	NOCT
Maximum Power (Pmax)	170Wp	126Wp
Maximum Power Voltage (Vmp)	18.9V	17.6V
Maximum Power Current (Imp)	8.99A	7.16A
Open-circuit Voltage (Voc)	23.1V	22.0V
Short-circuit Current (Isc)	9.45A	7.56A
Efficiency STC (%)	17.40%	
Operating Temperature(°C)	-40°C~+85°C	
Maximum system voltage	1000VDC (IEC)	
Maximum series fuse rating	15A	
Power tolerance	0~+5W	
Temperature coefficients of Pmax	-0.41%/°C	
Temperature coefficients of Voc	-0.31%/°C	
Temperature coefficients of Isc	0.06%/°C	
Nominal operating cell temperature (NOCT)	45±2°C	

*STC:  Irradiance 1000W/m²  Cell Temperature 25°C

 AM=1.5

NOCT:  Irradiance 800W/m²  Ambient Temperature 20°C

 AM=1.5

 Wind Speed 1m/s

* Power measurement tolerance: ± 3%

Nelson 36M 120 Watt MONO-CRYSTALLINE MODULE

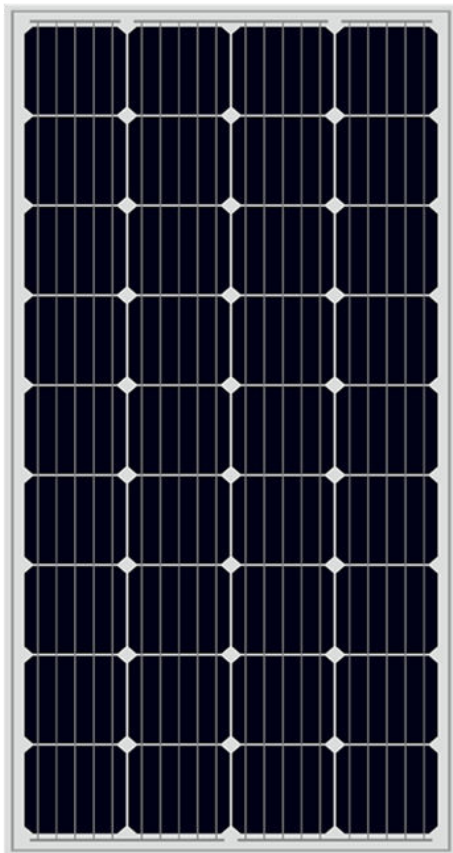
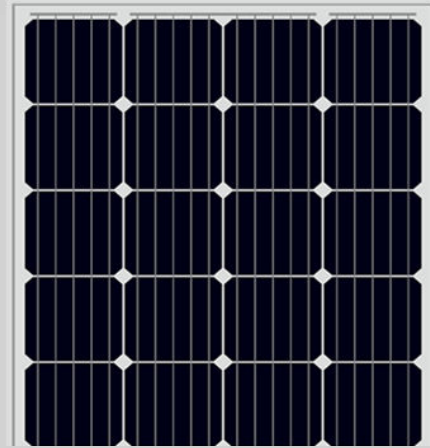
Positive power tolerance of 0~+5W

ISO9001:2008, ISO14001:2004

certified factory.

IEC61215, IEC61730 certified products.

(5BB)



KEY FEATURES



High Power Output:

With up to 120 Wp and 17.00 % efficiency, highest performing module of its kind on the market.



Low-light Performance:

Excellent performance in low-light environments.



Severe Weather Resilience:

Extremely weather resistant due to approval for increased snow and wind loads: 5400 Pa snow load, 2400 Pa wind load.

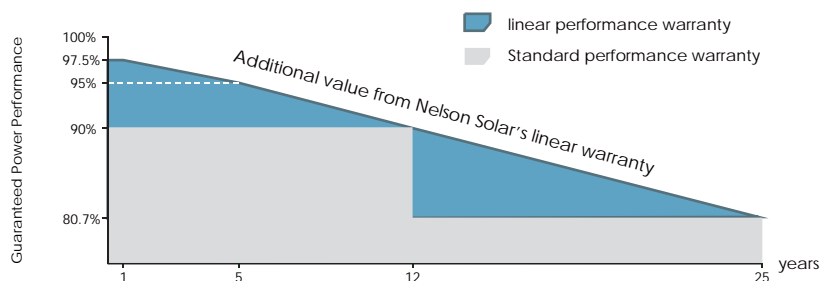


5 Busbar Solar Cell:

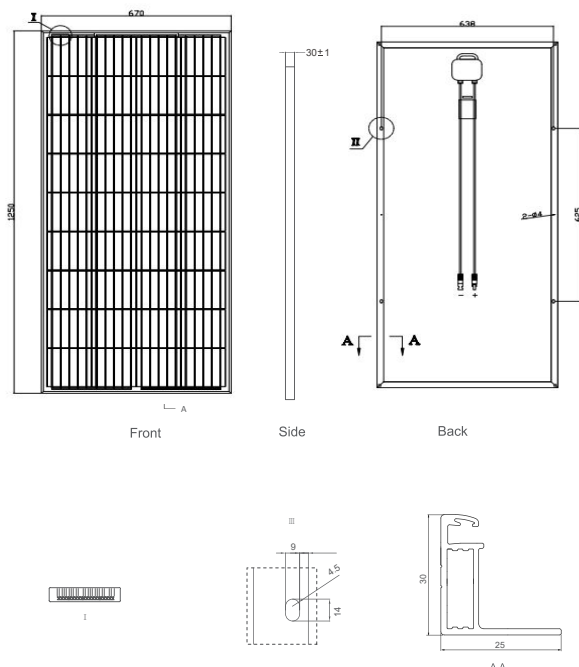
No power loss thanks to improved temperature co-efficient caused by 5 busbar solar cell.

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



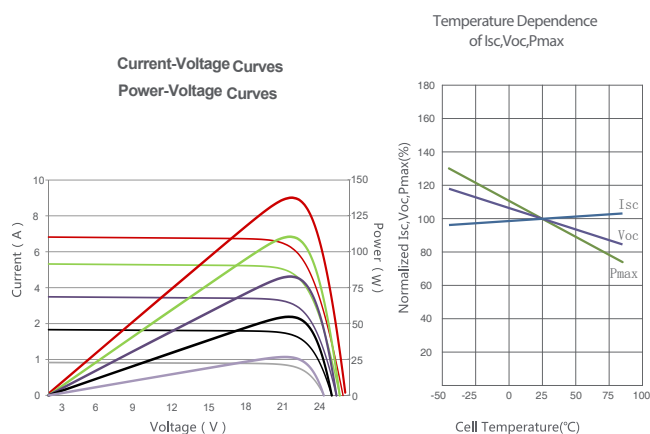
Engineering Drawings



Packaging Configuration

2350 pcs/40'HQ Container; 2650 pcs/45'HQ

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Mono-crystalline 156.00×130.00mm
No. of cells	36 (4×9)
Dimensions	1250×670×30mm (49.20×26.40×1.18 inch)
Weight	8.0 kg (17.7 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP65 Rated
Output Cables	TÜV 1×4.0mm ² , Length: 900mm or Customized Length

SPECIFICATIONS

Module Type	NS-36-120M	
	STC	NOCT
Maximum Power (Pmax)	120Wp	89Wp
Maximum Power Voltage (Vmp)	18.3V	17.0V
Maximum Power Current (Imp)	6.56A	5.24A
Open-circuit Voltage (Voc)	22.5V	21.2V
Short-circuit Current (Isc)	6.90A	5.52A
Efficiency STC (%)	17.00%	
Operating Temperature(°C)	-40°C~+85°C	
Maximum system voltage	1000VDC (IEC)	
Maximum series fuse rating	15A	
Power tolerance	0~+5W	
Temperature coefficients of Pmax	-0.41%/°C	
Temperature coefficients of Voc	-0.31%/°C	
Temperature coefficients of Isc	0.06%/°C	
Nominal operating cell temperature (NOCT)	45±2°C	

*STC:  Irradiance 1000W/m²  Cell Temperature 25°C  AM=1.5

NOCT:  Irradiance 800W/m²  Ambient Temperature 20°C  AM=1.5  Wind Speed 1m/s

* Power measurement tolerance: ± 3%

Nelson 36M 100 Watt

MONO-CRYSTALLINE MODULE

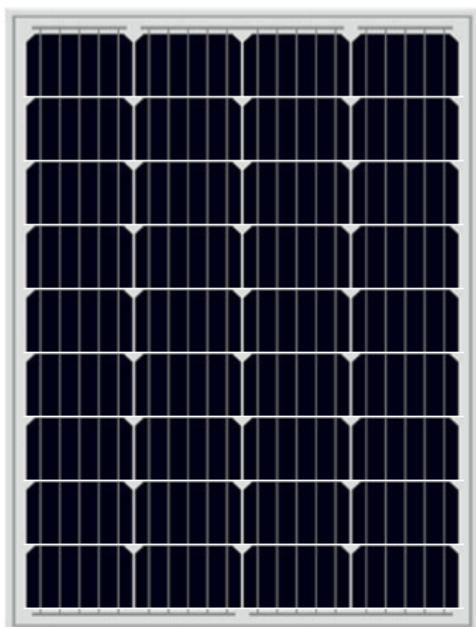
Positive power tolerance of 0~+5W

ISO9001:2008, ISO14001:2004

certified factory.

IEC61215, IEC61730 certified products.

(5BB)



KEY FEATURES



High Power Output:

With up to 100 Wp and **16.80 %** efficiency, highest performing module of its kind on the market.



Low-light Performance:

Excellent performance in low-light environments.



Severe Weather Resilience:

Extremely weather resistant due to approval for increased snow and wind loads: 5400 Pa snow load, 2400 Pa wind load.



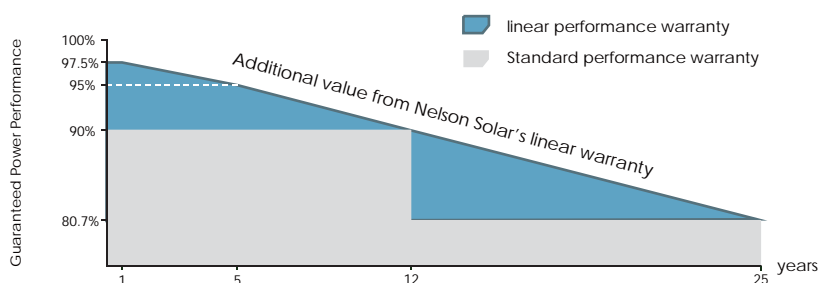
5 Busbar Solar Cell:

No power loss thanks to improved temperature co-efficient caused by 5 busbar solar cell.

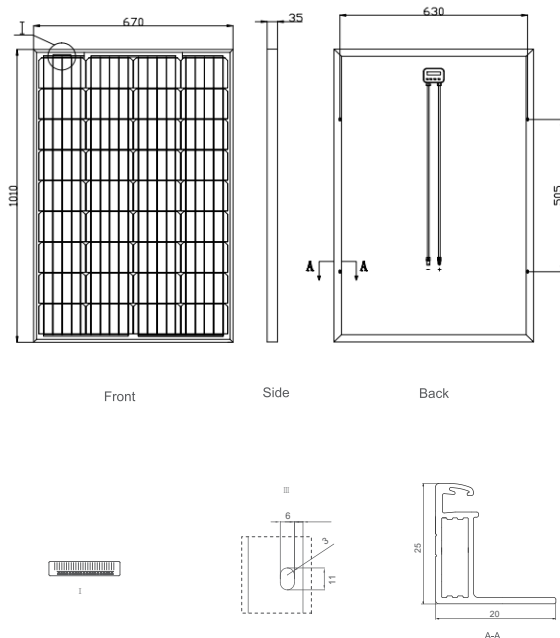


LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



Engineering Drawings

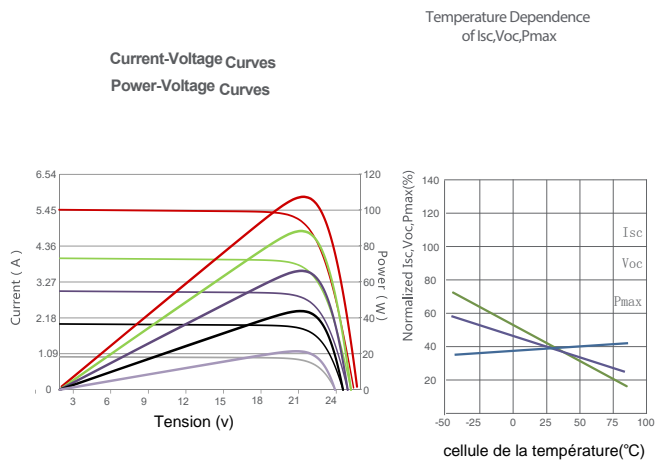


Packaging Configuration

2PCS/CTN

2890pcs/40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Mono-crystalline 156.75×104.00mm
No. of cells	36(4×9)
Dimensions	1010×670×30mm
Weight	6.90kg
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP65 Rated
Output Cables	TÜV 1×4.0mm ² , Length: 900mm or Customized Length

SPECIFICATIONS

Module Type	NS-36-100M	
	STC	NOCT
Maximum Power (P_{max})	100Wp	72Wp
Maximum Power Voltage (V_{mp})	18.1V	16.5V
Maximum Power Current (I_{mp})	5.53A	4.36A
Open-circuit Voltage (V_{oc})	22.0V	20.6V
Short-circuit Current (I_{sc})	5.82A	4.62A
Efficiency STC (%)	16.80%	
Operating Temperature(°C)	-40°C~+85°C	
Maximum system voltage	1000VDC	
Maximum series fuse rating	15A	
Power tolerance	0~+5W	
Temperature coefficients of P_{max}	-0.41%/°C	
Temperature coefficients of V_{oc}	-0.31%/°C	
Temperature coefficients of I_{sc}	0.06%/°C	
Nominal operating cell temperature (NOCT)	45±2°C	

*STC:  Irradiance 1000W/m²

 Cell Temperature 25°C

 AM=1.5

NOCT:  Irradiance 800W/m²

 Ambient Temperature 20°C

 AM=1.5

 Wind Speed 1m/s

Nelson 36M 80 Watt MONO-CRYSTALLINE MODULE

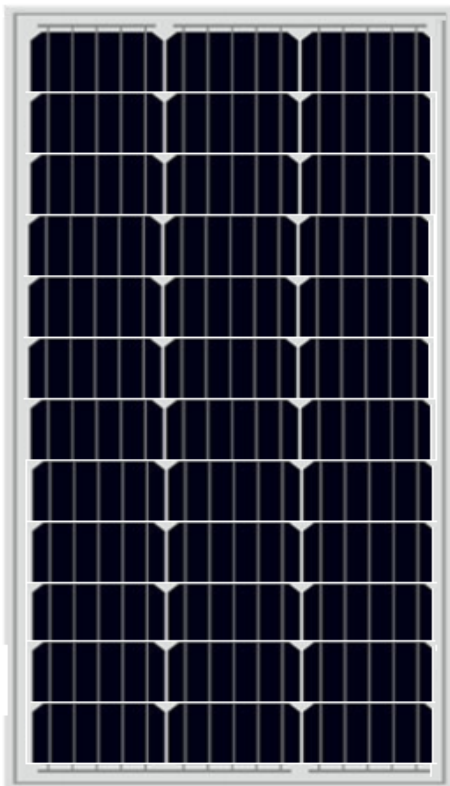
Positive power tolerance of 0~+5W

ISO9001:2008, ISO14001:2004

certified factory.

IEC61215, IEC61730 certified products.

(5BB)



KEY FEATURES



High Power Output:

With up to **80Wp** and **16.60 %** efficiency, highest performing module of its kind on the market.



Low-light Performance:

Excellent performance in low-light environments.



Severe Weather Resilience:

Extremely weather resistant due to approval for increased snow and wind loads: 5400 Pa snow load, 2400 Pa wind load.



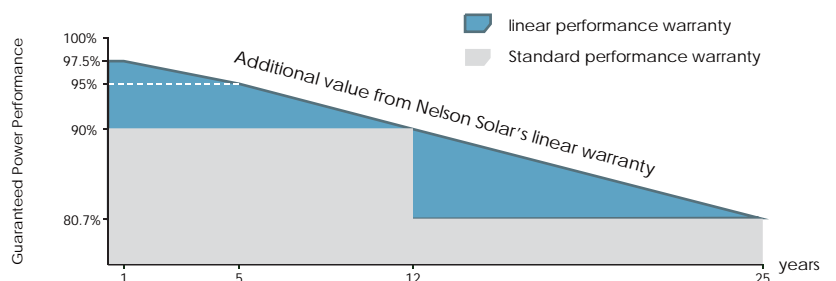
5 Busbar Solar Cell:

No power loss thanks to improved temperature co-efficient caused by 5 busbar solar cell.

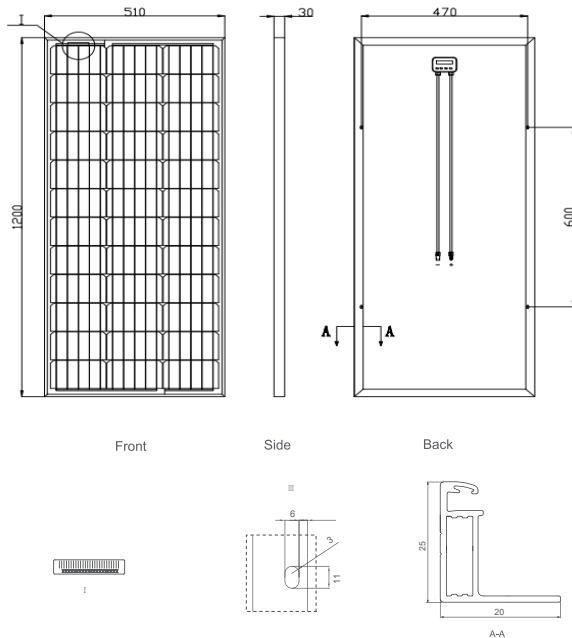


LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



Engineering Drawings

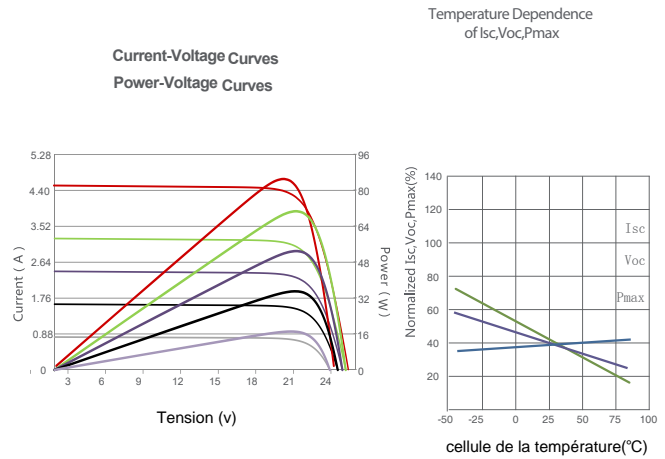


Packaging Configuration

2PCS/CTN

3280pcs/40'HQ Container

Electrical Performance & Temperature Dependence




Mechanical Characteristics



Cell Type	Mono-crystalline
No. of cells	36(3×12)
Dimensions	1200×510×30mm
Weight	6.25kg
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP65 Rated
Output Cables	TÜV 1×4.0mm ² , Length: 900mm or Customized Length

SPECIFICATIONS

Module Type	NS-36-80M	
	STC	NOCT
Maximum Power (P_{max})	80Wp	62Wp
Maximum Power Voltage (V_{mp})	18.0V	16.4V
Maximum Power Current (I_{mp})	4.45A	3.78A
Open-circuit Voltage (V_{oc})	22.1V	20.5V
Short-circuit Current (I_{sc})	4.68A	3.97A
Efficiency STC (%)	16.60%	
Operating Temperature(°C)	-40°C~+85°C	
Maximum system voltage	1000VDC	
Maximum series fuse rating	10A	
Power tolerance	0~+5W	
Temperature coefficients of P_{max}	-0.41%/°C	
Temperature coefficients of V_{oc}	-0.31%/°C	
Temperature coefficients of I_{sc}	0.06%/°C	
Nominal operating cell temperature (NOCT)	45±2°C	

*STC:  Irradiance 1000W/m²  Cell Temperature 25°C

 AM=1.5

NOCT:  Irradiance 800W/m²  Ambient Temperature 20°C

 AM=1.5

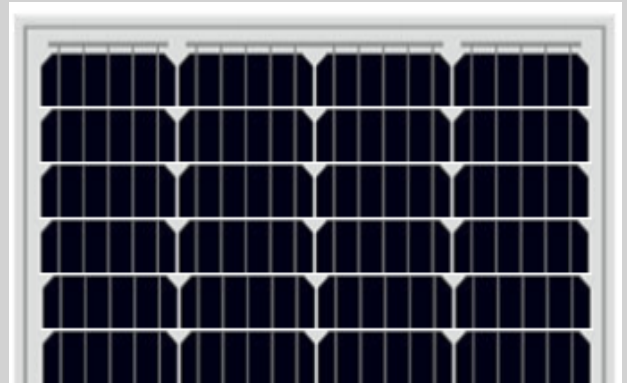
 Wind Speed 1m/s

Nelson 36M 50 Watt MONO-CRYSTALLINE MODULE

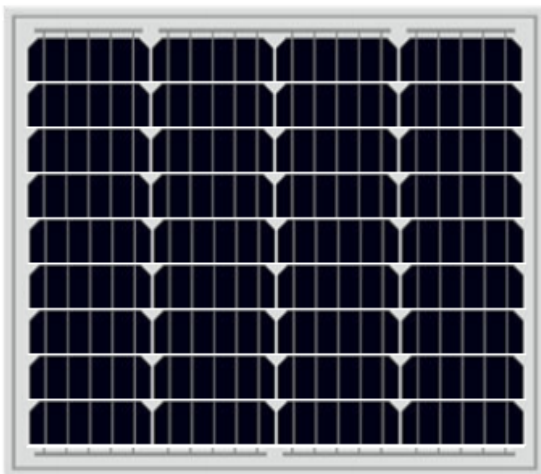
Positive power tolerance of 0~+5W

ISO9001:2008, ISO14001:2004
certified factory.
IEC61215, IEC61730 certified products.

(5BB)



KEY FEATURES



High Power Output:

With up to **50Wp** and **16.40 %** efficiency, highest performing module of its kind on the market.



Low-light Performance:

Excellent performance in low-light environments.



Severe Weather Resilience:

Extremely weather resistant due to approval for increased snow and wind loads: 5400 Pa snow load, 2400 Pa wind load.



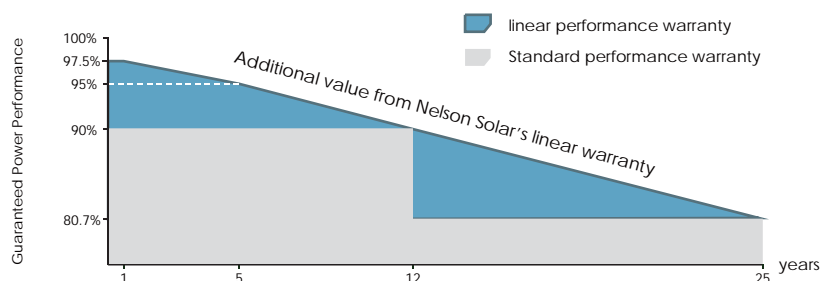
5 Busbar Solar Cell:

No power loss thanks to improved temperature co-efficient caused by 5 busbar solar cell.

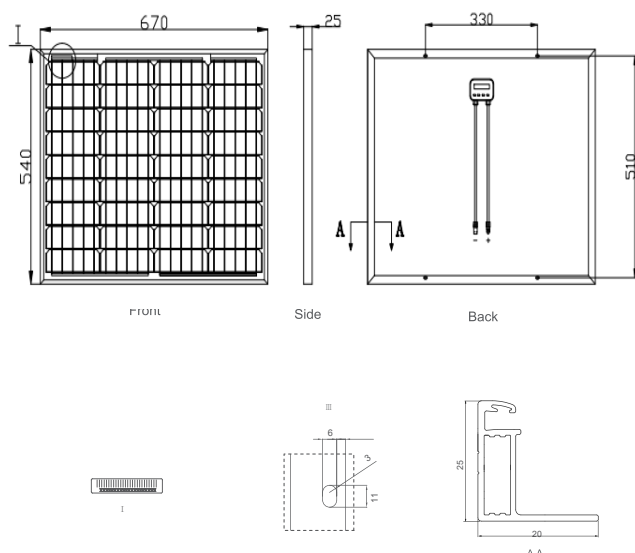


LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



Engineering Drawings

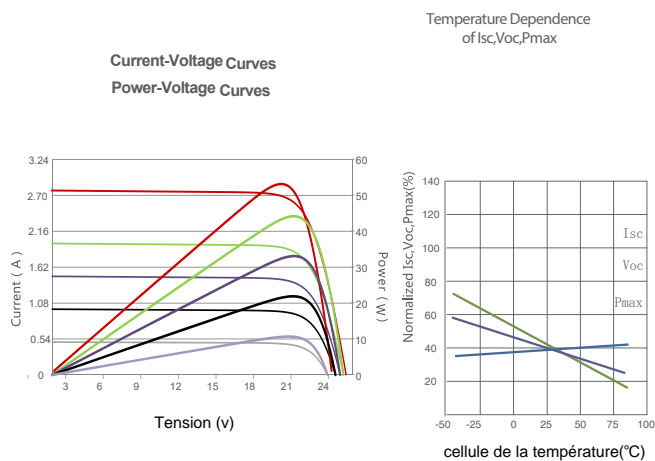


Packaging Configuration

5PCS/CTN

6460pcs/40'HQContainer

Electrical Performance & Temperature Dependence





Mechanical Characteristics

Cell Type	Mono-crystalline
No. of cells	36(4×9)
Dimensions	540×670×25mm
Weight	4.20kg
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP65 Rated
Output Cables	TÜV 1×4.0mm ² , Length: 900mm or Customized Length

SPECIFICATIONS

Module Type	NS-36-50M	
	STC	NOCT
Maximum Power (Pmax)	50Wp	36Wp
Maximum Power Voltage (Vmp)	18.0V	16.4V
Maximum Power Current (Imp)	2.78A	2.20A
Open-circuit Voltage (Voc)	22.1V	20.5V
Short-circuit Current (Isc)	2.92A	2.30A
Efficiency STC (%)	16.40%	
Operating Temperature(°C)	-40°C~+85°C	
Maximum system voltage	600VDC	
Maximum series fuse rating	10A	
Power tolerance	0~+5W	
Temperature coefficients of Pmax	-0.41%/°C	
Temperature coefficients of Voc	-0.31%/°C	
Temperature coefficients of Isc	0.06%/°C	
Nominal operating cell temperature (NOCT)	45±2°C	

*STC:  Irradiance 1000W/m²  Cell Temperature 25°C

 AM=1.5

NOCT:  Irradiance 800W/m²  Ambient Temperature 20°C

 AM=1.5

 Wind Speed 1m/s

Nelson 36M 30 Watt POLY-CRYSTALLINE MODULE

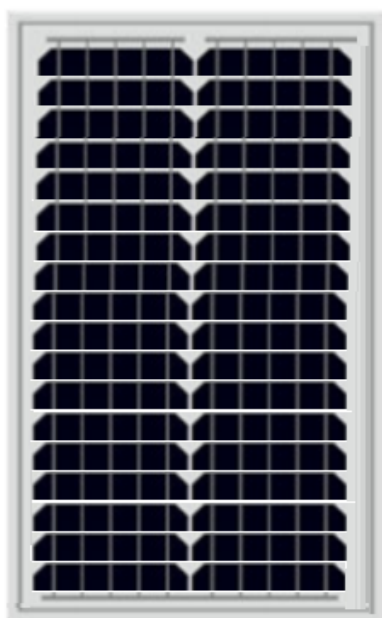
Positive power tolerance of 0~+5W

ISO9001:2008, ISO14001:2004

certified factory.

IEC61215, IEC61730 certified products.

(5BB)



KEY FEATURES



High Power Output:

With up to **30 Wp** and **16.20 %** efficiency, highest performing module of its kind on the market.



Low-light Performance:

Excellent performance in low-light environments.



Severe Weather Resilience:

Extremely weather resistant due to approval for increased snow and wind loads: 5400 Pa snow load, 2400 Pa wind load.



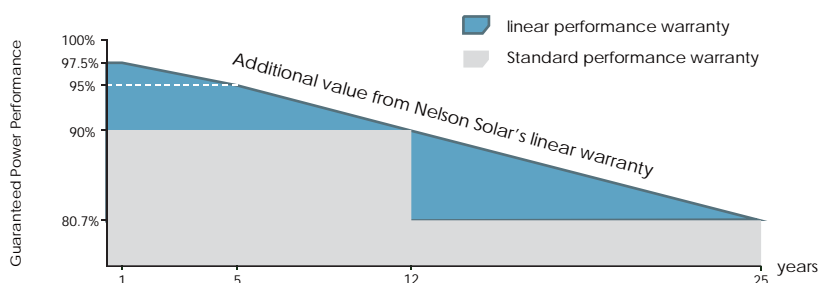
5 Busbar Solar Cell:

No power loss thanks to improved temperature co-efficient caused by 5 busbar solar cell.

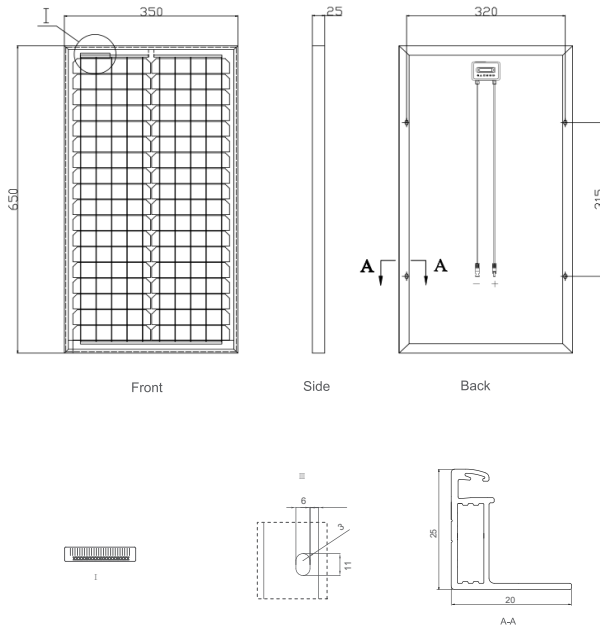


LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



Engineering Drawings

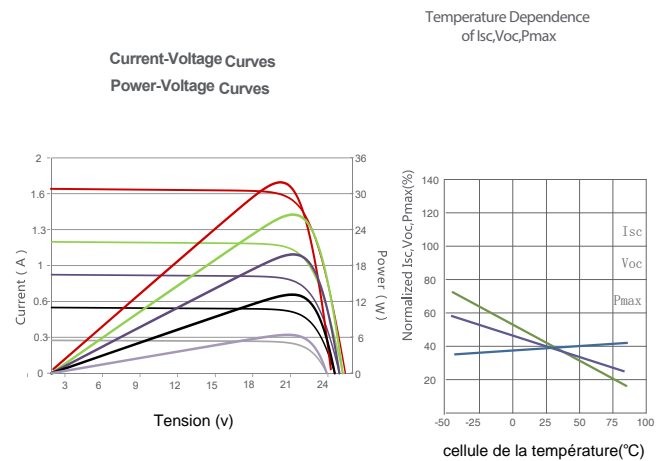


Packaging Configuration

10PCS/CTN

10000pcs/40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics



Cell Type	Mono-crystalline 156.75×31.20mm
No. of cells	36(2×18)
Dimensions	650×350×25mm
Weight	2.4kg
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP65 Rated
Output Cables	TÜV 1×4.0mm ² , Length: 900mm or Customized Length

SPECIFICATIONS

Module Type	NS-36-30M	
	STC	NOCT
Maximum Power (P _{max})	30Wp	20Wp
Maximum Power Voltage (V _{mp})	18.0V	16.4V
Maximum Power Current (I _{mp})	1.67A	1.22A
Open-circuit Voltage (V _{oc})	22.1V	20.5V
Short-circuit Current (I _{sc})	1.75A	1.28A
Efficiency STC (%)	16.20%	
Operating Temperature(°C)	-40°C~+85°C	
Maximum system voltage	600VDC	
Maximum series fuse rating	10A	
Power tolerance	0~+5W	
Temperature coefficients of P _{max}	-0.41%/°C	
Temperature coefficients of V _{oc}	-0.31%/°C	
Temperature coefficients of I _{sc}	0.06%/°C	
Nominal operating cell temperature (NOCT)	45±2°C	

*STC:  Irradiance 1000W/m²  Cell Temperature 25°C

 AM=1.5

NOCT:  Irradiance 800W/m²  Ambient Temperature 20°C

 AM=1.5

 Wind Speed 1m/s

* Power measurement tolerance: ± 3%

Nelson 36M 20 Watt POLY-CRYSTALLINE MODULE

Positive power tolerance of 0~+5W

ISO9001:2008, ISO14001:2004

certified factory.

IEC61215, IEC61730 certified products.

(5BB)



KEY FEATURES



High Power Output:

With up to 20Wp and 16.10% efficiency, highest performing module of its kind on the market.



Low-light Performance:

Excellent performance in low-light environments.



Severe Weather Resilience:

Extremely weather resistant due to approval for increased snow and wind loads: 5400 Pa snow load, 2400 Pa wind load.



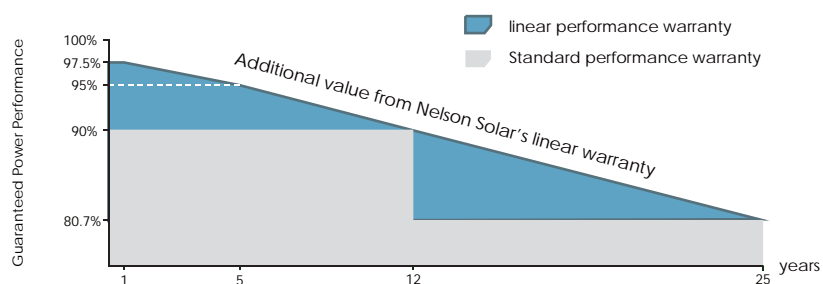
5 Busbar Solar Cell:

No power loss thanks to improved temperature co-efficient caused by 5 busbar solar cell.

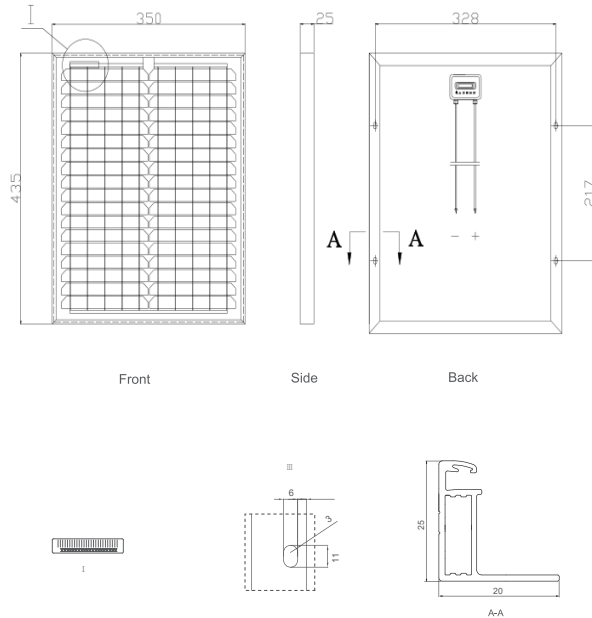


LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



Engineering Drawings

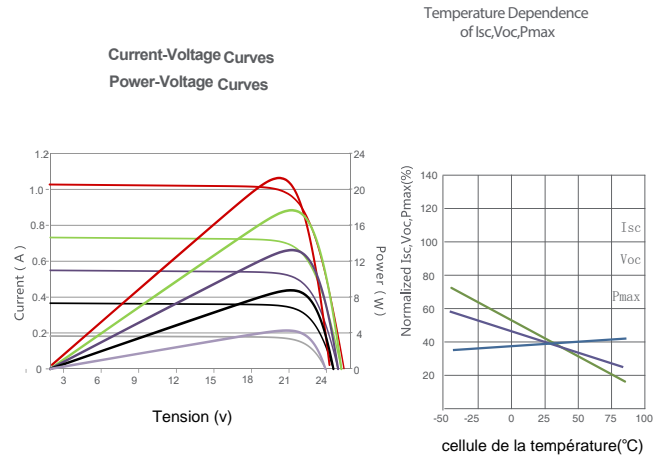


Packaging Configuration

10PCS/CTN

10000pcs/40'HQContainer

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Mono-crystalline
No. of cells	36(2×18)
Dimensions	435×350×25mm
Weight	1.6kg
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP65 Rated
Output Cables	TÜV 1×4.0mm ² , Length: 600mm or Customized Length

SPECIFICATIONS

Module Type	NS-36-20M	
	STC	NOCT
Maximum Power (P_{max})	20Wp	12Wp
Maximum Power Voltage (V_{mp})	18.0V	15.6V
Maximum Power Current (I_{mp})	1.11A	0.77A
Open-circuit Voltage (V_{oc})	22.1V	19.1V
Short-circuit Current (I_{sc})	1.16A	0.80A
Efficiency STC (%)	16.10%	
Operating Temperature(°C)	-40°C~+85°C	
Maximum system voltage	600VDC	
Maximum series fuse rating	10A	
Power tolerance	0~+5W	
Temperature coefficients of P_{max}	-0.41%/°C	
Temperature coefficients of V_{oc}	-0.31%/°C	
Temperature coefficients of I_{sc}	0.06%/°C	
Nominal operating cell temperature (NOCT)	45±2°C	

*STC: Irradiance 1000W/m²

Cell Temperature 25°C

AM=1.5

NOCT: Irradiance 800W/m²

Ambient Temperature 20°C

AM=1.5

Wind Speed 1m/s

* Power measurement tolerance: ± 3%