NA-VIEW

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纳 域 国 际



LEADING BRAND
SOLAR PV MODULE

Solar PV Module

Foshan Naview New Building Materials Co., Ltd.

Website:https://www.naviewaluminium.com/

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Foshan Naview New Building Materials Co., Ltd.

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Mission:

To supply renewable energy for the sustainable development of human society.

Vision:

To become a first-class manufacturer and provider of solar energy products and solution in the world.

Core value:

Pursuing tenaciously, Creating value for customers, Concerning on the staff's progress, Keeping promise.

Spirit of enterprise:

Honesty, Team-work, Innovation.













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PRODUCTION STRENGTH:

- ★Fully automated PV module production line with an annual production capacity of 500MW
- ★Advanced production & quality management system to ensure reliable product quality
- ★High efficient PV module ,double glass PV module ,double glass bificial PV module， patented rainproof PV module make Fivestar lead the industry trend, and focus on the high-end market



Dual-Chamber Lamination Machine (6 SET)



AUTO Curing Line (2 SET)





AUTOMATIC PRODUCTION LINE (500 MW)



EL Testing (Before lamination)



Viscosity Testing



Bonding Testing



Large AUTO Welding Machine (6 SET)



Robot Arm for Solar Cell Layout (6 SET)



EL Testing (Finish Product)



High-Voltage Insulation Testing



IV Testing Machine (Imported from Europe)

WXS SERIES

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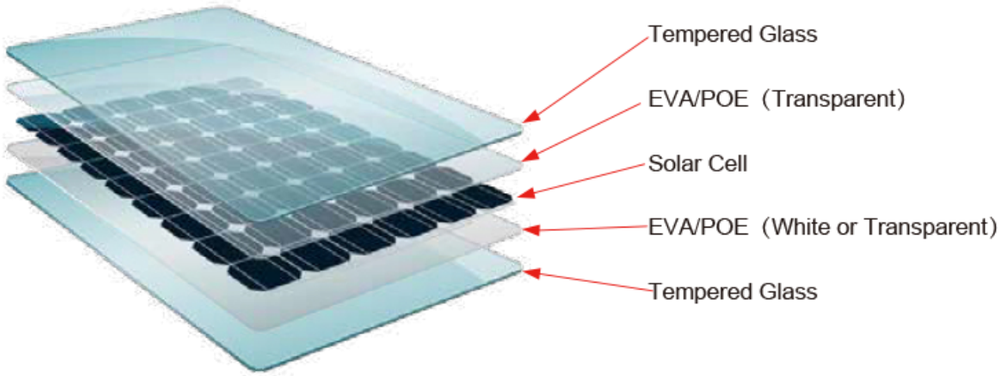
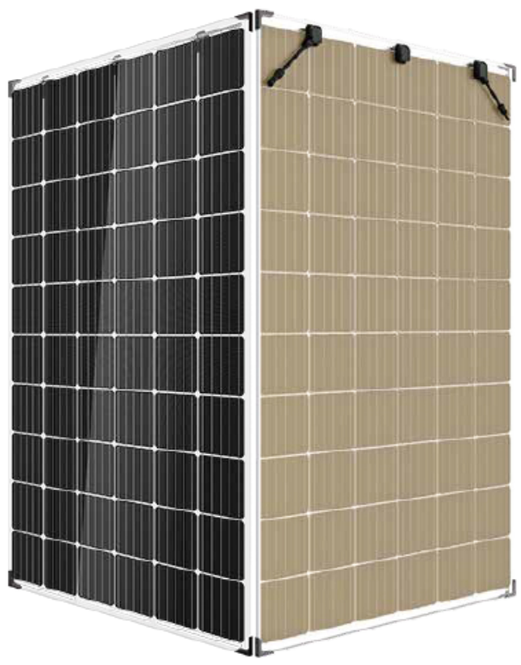
We Make Difference!
Hi-Tech Dual Glass Design.





PRODUCT FEATURE

Double-Glass Structure
Frameless structure with Zero PID and Improved self clean–ing capability

Excellent Weatherability
Class–A fireproof to ensure super safety performance.

Outstanding Mechanical Performance
Capable of withstanding wind load 2400Pa and snow load 5400Pa.

Low Decay Rate
Superior 0.5% decaying rate, while it is 0. 7% for normal solar module.

Zero Water Permeability
Particularly suitable for high humidity area such as the seaside, river, mountainous area.

More Power Output
30% more electric power output throughout 30–years life cycle.



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Polycrystalline Module
Model: WXS-P60-270~285A



285W
Max Power Output

17.3%
Max Efficiency

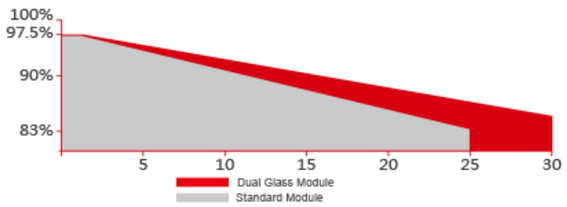
0~+5W
Positive Power Tolerance

Your trusted brand of high quality

- ★ Professional crystalline silicon photovoltaic module manufacturer.
- ★ Fully automated production line with leading photovoltaic technology.
- ★ Adopt strict international standard quality management system ISO 9001:2015, ISO14001: 2015.
- ★ Passed variety of harsh environmental tests (salt spray, ammonia and sand storm corrosion test IEC61730-2:2016, IEC61215:2016).
- ★ Owns 188 national patents.

Linear Performance Warranty

10 years Product Warranty 30 years Linear Power Warranty



Highly reliable due to stringent quality control
- PID resistant and free of snail trails
- Increased module robustness to minimize micro-cracks
- 100% EL double inspection

Enhanced safety
- Fire class A fireproof level for super safety performance.

Increased value
- Higher maximum system voltage reduces BOS costs
- 30 year linear warranty
- 0.5% annual degradation
- Low thermal coefficents for more energy production at higher temperatures

Certified to withstand the most challenging environmental conditions
- Module coating resistant to sand, acid, and alkali
- 2400 Pa wind load
- 5400 Pa snow load
- 35 mm hail stones at 97 km/h

Electrical DATA (STC)					
Model		WXS-P60 270	WXS-P60 275	WXS-P60 280	WXS-P60 285
Peak Power Watts-P_{MAX}	(Wp)	270	275	280	285
Max-Power Voltage -V_{MPP}	(V)	31.2	31.4	31.6	31.8
Max-Power Current-I_{MPP}	(A)	8.65	8.76	8.86	8.96
Open Circuit Voltage-V_{oc}	(V)	38.3	38.5	38.7	38.9
Short Circuit Current-I_{sc}	(A)	9.29	9.38	9.46	9.54
Module Efficiency-η_m	(%)	16.4	16.7	17.0	17.3
Power Output Tolerance-P_{MAX}	(W)	0~+5			

STC: Irradiance 1000W/㎡ , cell temperature 25°C , air mass AM1.5.

Electrical DATA (NOCT)					
Max-Power-P_{MAX}	(Wp)	199.91	203.33	207.48	210.96
Max-Power Voltage -V_{MPP}	(V)	28.6	28.8	29.1	29.3
Max-Power Current-I_{MPP}	(A)	6.99	7.06	7.13	7.20
Open Circuit Voltage-V_{oc}	(V)	35.4	35.6	35.8	36.0
Short Circuit Current-I_{sc}	(A)	7.51	7.58	7.65	7.71

NOCT: Irradiance 800W/㎡ , ambient temperature 20°C , wind speed 1m/s.

Mechanical DATA	
Solar Cells	Polycrystalline 156.75×156.75 mm
Number of cells	60 Cells (6×10)
Module Dimensions	1658×992×6 mm
Weight	23KG
Front glass	2.5mm highly Transmission anti-reflective coating tempered glass
EVA	White
Back glass	2.5mm textured tempered glass
Frame	Frameless
Junction box	IP67 or IP68 rated
Cables	Photovoltaic Technology Cable 4.0mm² Portrait : 150/250mm
Connector	Original MC4 or compatible with MC4
Wind load /Snow load	2400Pa/5400Pa
Fire Type	Class A

Temperature Rating	
NOCT(Norminal Operating Cell Temperature)	45±2°C
Temperature Coefficient of P_{MAX}	-0.41%/°C
Temperature Coefficient of V_{oc}	-0.32%/°C
Temperature Coefficient of I_{sc}	+0.055%/°C

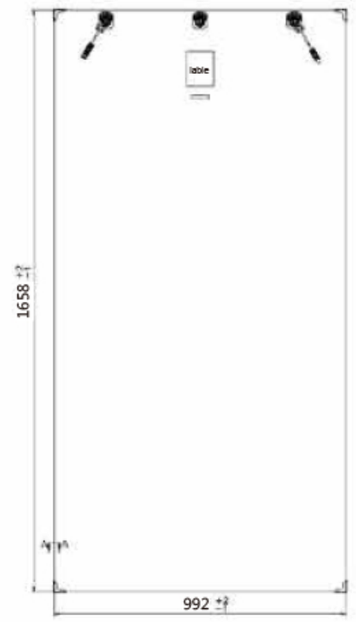
Maximum Rating	
Operating Temperature	-40~+85°C
Maximum System Voltage	1500V DC(IEC)
Max Series Fuse Rating	15A

Warranty
10 years Product Workmanship Warranty
30 years Linear Power Warranty

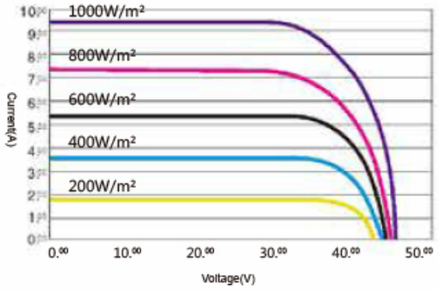
Packing Information
Packed in carton and loaded on pallet
396 Pcs / 20ft GP and 858 Pcs / 40ft HQ

More details refer to Fivestar product instructions.

Module size



I–V Curve (285W)



Irradiation condition (200W/㎡ (AM1.5, 25 °C)

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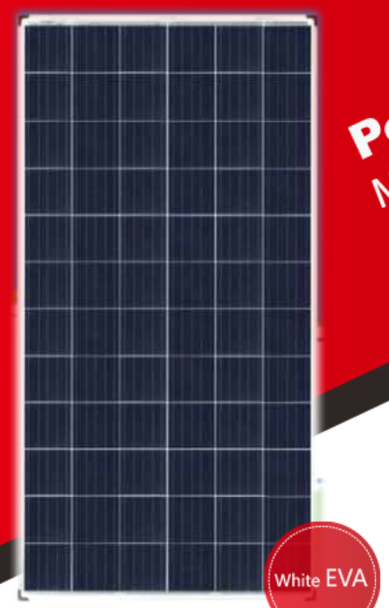
Polycrystalline Module
Model: WXS-P72-320~335A



335W
Max power output

17.1%

0~+5W

Your trusted brand of high quality

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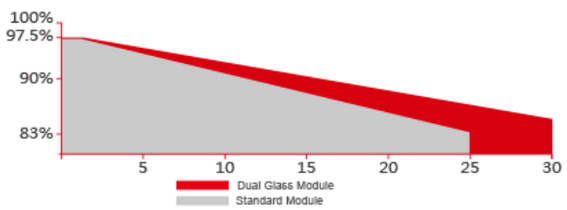
- ★ Fully automated production line with leading photovoltaic technology.
- ★ Adopt strict international standard quality management system ISO 9001:2015, ISO14001: 2015.
- ★ Passed variety of harsh environmental tests (salt spray, ammonia and sand storm corrosion test IEC61730-2:2016, IEC61215:2016).
- ★ Owns 188 national patents.

Linear Performance Warranty

10 years Product Warranty 30 years Linear Power Warranty



Highly reliable due to stringent quality control
- PID resistant and free of snail trails
- Increased module robustness to minimize micro-cracks
- 100% EL double inspection

Enhanced safety
- Fire class A fireproof level for super safety performance.

Increased value
- Higher maximum system voltage reduces BOS costs
- 30 year linear warranty
- 0.5% annual degradation
- Low thermal coefficents for more energy production at higher temperatures

Certified to withstand the most challenging environmental conditions
- Module coating resistant to sand, acid, and alkali
- 2400 Pa wind load
- 5400 Pa snow load
- 35 mm hail stones at 97 km/h

Electrical DATA (STC)					
Model		WXS-P72 320	WXS-P27 325	WXS-P72 330	WXS-P72 335
Peak Power Watts-P_{MAX}	(Wp)	320	325	330	335
Max-Power Voltage -V_{MPP}	(V)	37.4	37.6	37.8	38.0
Max-Power Current-I_{MPP}	(A)	8.56	8.64	8.73	8.82
Open Circuit Voltage-V_{oc}	(V)	45.8	46.0	46.2	46.4
Short Circuit Current-I_{sc}	(A)	9.17	9.24	9.33	9.41
Module Efficiency-η_m	(%)	16.3	16.6	16.8	17.1
Power Output Tolerance-P_{MAX}	(W)	0~+5			

STC: Irradiance 1000W/㎡ , cell temperature 25°C , air mass AM1.5.

Electrical DATA (NOCT)					
Max-Power-P_{MAX}	(Wp)	236.67	240.82	243.94	247.97
Max-Power Voltage -V_{MPP}	(V)	34.3	34.6	34.7	34.9
Max-Power Current-I_{MPP}	(A)	6.90	6.96	7.03	7.10
Open Circuit Voltage-V_{oc}	(V)	42.4	42.6	42.7	42.9
Short Circuit Current-I_{sc}	(A)	7.41	7.47	7.54	7.61

NOCT: Irradiance 800W/㎡ , ambient temperature 20°C , wind speed 1m/s.

Mechanical DATA	
Solar Cells	Polycrystalline 156.75×156.75 mm
Number of cells	72 Cells (6×12)
Module Dimensions	1974×992×6 mm
Weight	27KG
Front glass	2.5mm highly Transmission anti-reflective coating tempered glass
EVA	White
Back glass	2.5mm textured tempered glass
Frame	Frameless
Junction box	IP67 or IP68 rated
Cables	Photovoltaic Technology Cable 4.0mm² Portrait : 150/250mm
Connector	Original MC4 or compatible with MC4
Wind load /Snow load	2400Pa/5400Pa
Fire Type	Class A

Temperature Rating	
NOCT(Norminal Operating Cell Temperature)	45±2°C
Temperature Coefficient of P_{MAX}	-0.41%/°C
Temperature Coefficient of V_{oc}	-0.32%/°C
Temperature Coefficient of I_{sc}	+0.055%/°C

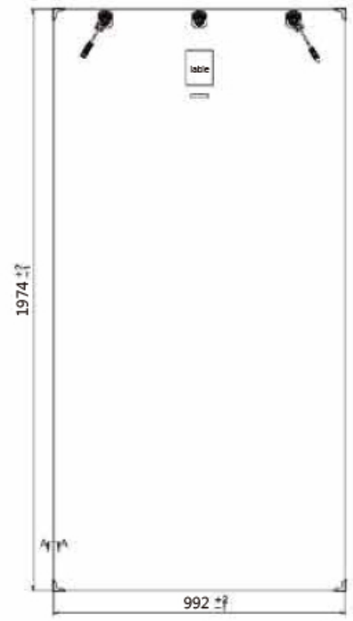
Maximum Rating	
Operating Temperature	-40~+85°C
Maximum System Voltage	1500V DC(IEC)
Max Series Fuse Rating	15A

Warranty
10 years Product Workmanship Warranty
30 years Linear Power Warranty

Packing Information
Packed in carton and loaded on pallet
330 Pcs / 20ft GP and 728 Pcs / 40ft HQ

More details refer to Fivestar product instructions.

Module size

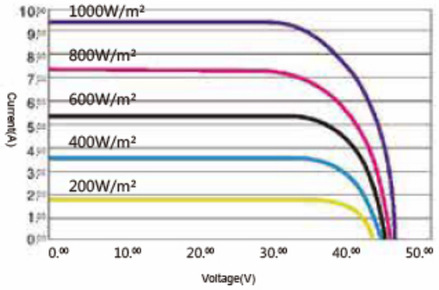


Back view



A-A

I–V Curve (335W)



Irradiation condition (200W/㎡ (AM1.5, 25 °C)

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Monocrystalline Module

Model: WXS-M60-285~300A



300W
Max power output

18.2%
Max Efficiency

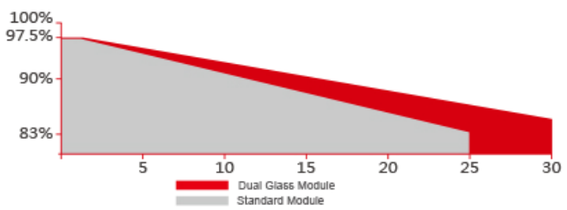
0~+5W
Positive Power Tolerance

Your trusted brand of high quality

- ★ Professional crystalline silicon photovoltaic module manufacturer.
- ★ Fully automated production line with leading photovoltaic technology.
- ★ Adopt strict international standard quality management system ISO 9001:2015, ISO14001: 2015.
- ★ Passed variety of harsh environmental tests (salt spray, ammonia and sand storm corrosion test IEC61730-2:2016, IEC61215:2016).
- ★ Owns 188 national patents.

Linear Performance Warranty

10 years Product Warranty 30 years Linear Power Warranty



Highly reliable due to stringent quality control
- PID resistant and free of snail trails
- Increased module robustness to minimize micro-cracks
- 100% EL double inspection

Enhanced safety
- Fire class A fireproof level for super safety performance.

Increased value
- Higher maximum system voltage reduces BOS costs
- 30 year linear warranty
- 0.5% annual degradation
- Low thermal coefficents for more energy production at higher temperatures

Certified to withstand the most challenging environmental conditions
- Module coating resistant to sand, acid, and alkali
- 2400 Pa wind load
- 5400 Pa snow load
- 35 mm hail stones at 97 km/h

DOUBLE GLASS PV MODULE

Electrical DATA (STC)					
Model		WXS-M60 285	WXS-M60 290	WXS-M60 295	WXC-M60 300
Peak Power Watts-P_{MAX}	(Wp)	285	290	295	300
Max-Power Voltage -V_{MPP}	(V)	31.8	32.0	32.2	32.4
Max-Power Current-I_{MPP}	(A)	8.96	9.06	9.16	9.26
Open Circuit Voltage-V_{oc}	(V)	38.9	39.1	39.3	39.5
Short Circuit Current-I_{sc}	(A)	9.54	9.63	9.69	9.77
Module Efficiency-η_m	(%)	17.3	17.6	17.9	18.2
Power Output Tolerance-P_{MAX}	(W)	0~+5			

STC: Irradiance 1000W/㎡ , cell temperature 25°C , air mass AM1.5.

Electrical DATA (NOCT)					
Max-Power-P_{MAX}	(Wp)	210.96	214.76	218.00	221.56
Max-Power Voltage -V_{MPP}	(V)	29.3	29.5	29.7	29.9
Max-Power Current-I_{MPP}	(A)	7.20	7.28	7.34	7.41
Open Circuit Voltage-V_{oc}	(V)	36.0	36.2	36.3	36.5
Short Circuit Current-I_{sc}	(A)	7.71	7.78	7.83	7.90

NOCT: Irradiance 800W/㎡ , ambient temperature 20°C , wind speed 1m/s.

Mechanical DATA	
Solar Cells	Monocrystalline 156.75×156.75 mm
Number of cells	60 Cells (6×10)
Module Dimensions	1658×992×6 mm
Weight	23KG
Front glass	2.5mm highly Transmission anti-reflective coating tempered glass
EVA	White
Back glass	2.5mm textured tempered glass
Frame	Frameless
Junction box	IP67 or IP68 rated
Cables	Photovoltaic Technology Cable 4.0mm² Portrait : 150/250mm
Connector	Original MC4 or compatible with MC4
Wind load /Snow load	2400Pa/5400Pa
Fire Type	Class A

Temperature Rating	
NOCT(Norminal Operating Cell Temperature)	45±2°C
Temperature Coefficient of P_{MAX}	-0.41%/°C
Temperature Coefficient of V_{oc}	-0.32%/°C
Temperature Coefficient of I_{sc}	+0.055%/°C

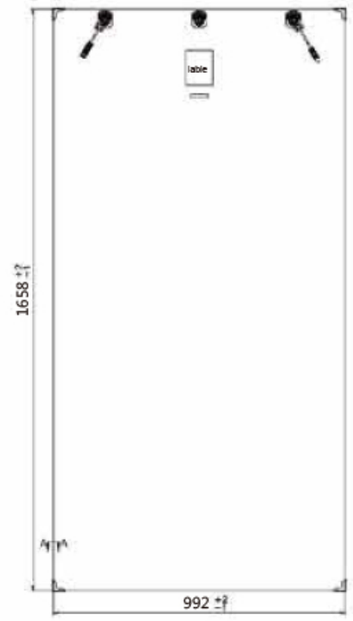
Maximum Rating	
Operating Temperature	-40~+85°C
Maximum System Voltage	1500V DC(IEC)
Max Series Fuse Rating	15A

Warranty
10 years Product Workmanship Warranty
30 years Linear Power Warranty

Packing Information
Packed in carton and loaded on pallet
396 Pcs / 20ft GP and 858 Pcs / 40ft HQ

More details refer to Fivestar product instructions.

Module size

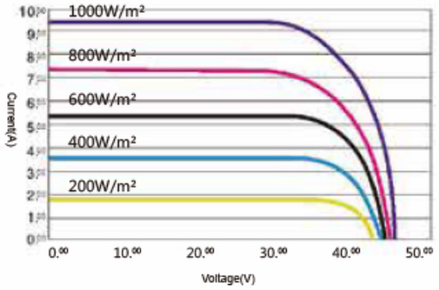


Back view



A-A

I–V Curve (300W)



Irradiation condition (200W/㎡ (AM1.5, 25 °C)

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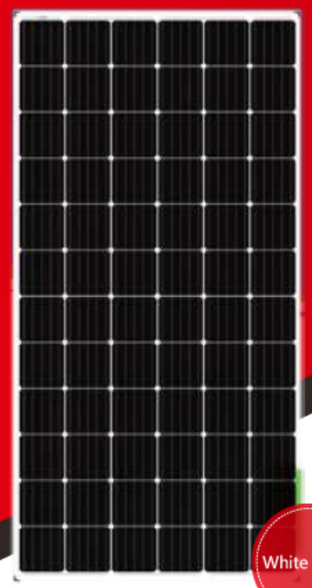
Monocrystalline Module
Model: WXS-M72-345~360A



360W
Max power output

18.4%
Max Efficiency

0~+5W
Positive Power Tolerance

Your trusted brand of high quality

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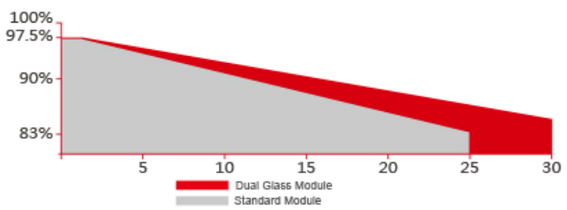
- ★ Fully automated production line with leading photovoltaic technology.
- ★ Adopt strict international standard quality management system ISO 9001:2015, ISO14001: 2015.
- ★ Passed variety of harsh environmental tests (salt spray, ammonia and sand storm corrosion test IEC61730-2:2016, IEC61215:2016).
- ★ Owns 188 national patents.

Linear Performance Warranty

10 years Product Warranty 30 years Linear Power Warranty



Highly reliable due to stringent quality control
- PID resistant and free of snail trails
- Increased module robustness to minimize micro-cracks
- 100% EL double inspection

Enhanced safety
- Fire class A fireproof level for super safety performance.

Increased value
- Higher maximum system voltage reduces BOS costs
- 30 year linear warranty
- 0.5% annual degradation
- Low thermal coefficents for more energy production at higher temperatures

Certified to withstand the most challenging environmental conditions
- Module coating resistant to sand, acid, and alkali
- 2400 Pa wind load
- 5400 Pa snow load
- 35 mm hail stones at 97 km/h

Electrical DATA (STC)					
Model		WXS-M72 345	WXS-M72 350	WXS-M72 355	WXS-M72 360
Peak Power Watts-P_{MAX}	(Wp)	345	350	335	360
Max-Power Voltage -V_{MPP}	(V)	38.4	38.6	38.8	39.0
Max-Power Current-I_{MPP}	(A)	8.99	9.07	9.15	9.24
Open Circuit Voltage-V_{oc}	(V)	46.8	47.0	47.2	47.4
Short Circuit Current-I_{sc}	(A)	9.57	9.56	9.73	9.81
Module Efficiency-η_m	(%)	17.6	17.9	18.1	18.4
Power Output Tolerance-P_{MAX}	(W)	0~+5			

STC: Irradiance 1000W/㎡ , cell temperature 25°C , air mass AM1.5.

Electrical DATA (NOCT)					
Max-Power-P_{MAX}	(Wp)	255.57	259.51	263.47	267.46
Max-Power Voltage -V_{MPP}	(V)	35.3	35.5	35.7	35.9
Max-Power Current-I_{MPP}	(A)	7.24	7.31	7.38	7.45
Open Circuit Voltage-V_{oc}	(V)	43.3	43.5	43.7	43.9
Short Circuit Current-I_{sc}	(A)	7.74	7.81	7.88	7.95

NOCT: Irradiance 800W/㎡ , ambient temperature 20°C , wind speed 1m/s.

Mechanical DATA	
Solar Cells	Monocrystalline 156.75×156.75 mm
Number of cells	72 Cells (6×12)
Module Dimensions	1974×992×6 mm
Weight	27KG
Front glass	2.5mm highly Transmission anti-reflective coating tempered glass
EVA	White
Back glass	2.5mm textured tempered glass
Frame	Frameless
Junction box	IP67 or IP68 rated
Cables	Photovoltaic Technology Cable 4.0mm² Portrait : 150/250mm
Connector	Original MC4 or compatible with MC4
Wind load /Snow load	2400Pa/5400Pa
Fire Type	Class A

Temperature Rating	
NOCT(Norminal Operating Cell Temperature)	45±2°C
Temperature Coefficient of P_{MAX}	-0.41%/°C
Temperature Coefficient of V_{oc}	-0.32%/°C
Temperature Coefficient of I_{sc}	+0.055%/°C

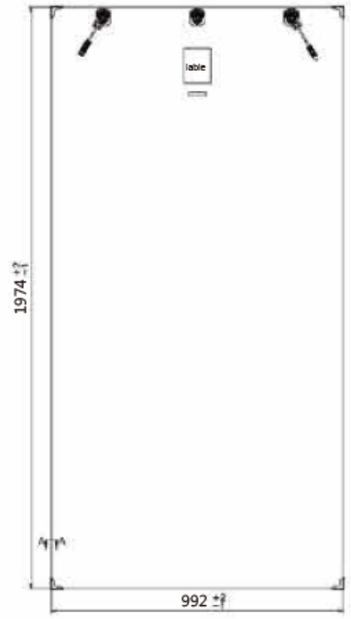
Maximum Rating	
Operating Temperature	-40~+85°C
Maximum System Voltage	1500V DC(IEC)
Max Series Fuse Rating	15A

Warranty
10 years Product Workmanship Warranty
30 years Linear Power Warranty

Packing Information
Packed in carton and loaded on pallet
330 Pcs / 20ft GP and 728 Pcs / 40ft HQ

More details refer to Fivestar product instructions.

Module size

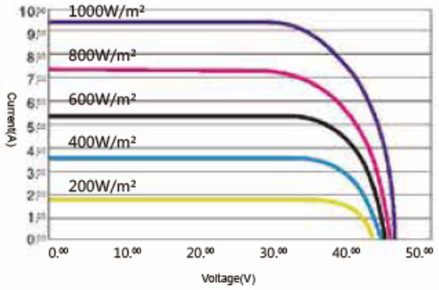


Back view



A-A

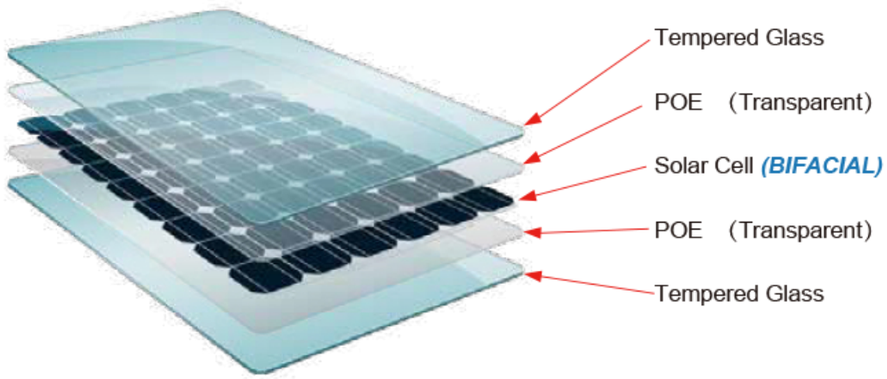
I–V Curve (360W)



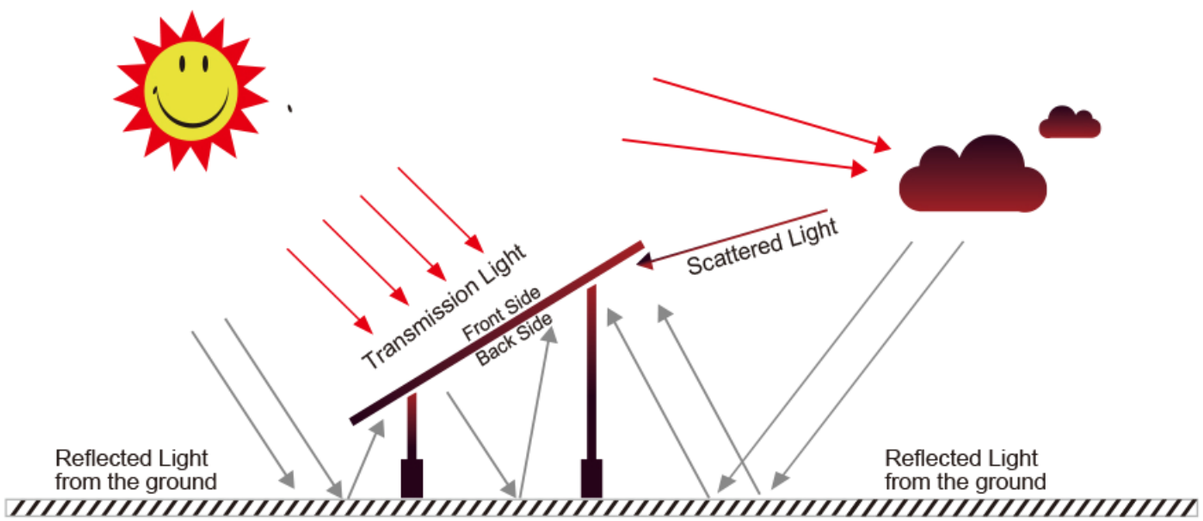
Irradiation condition (200W/㎡ (AM1.5, 25 °C)

WXN SERIES





5~30% powered from the back side



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PRODUCT FEATURE

Double-Glass Structure
Frameless structure with Zero PID and Improved selfclean–ing capability

Bifacial Power Output
5~30% higher power than single side output

Excellent Weatherability
Class–A fireproof to ensure super safety performance.

Outstanding Mechanical Performance
Capable of withstanding wind load 2400Pa and snow load 5400Pa.

Low Decay Rate
Superior 0.5% decaying rate, while it is 0. 7% for normal solar module.

Zero Water Permeability
Particularly suitable for high humidity area such as the seaside, river, mountainous area.

Reflection Rate of various installation area.

Installation Area	Reflection Rate %
Grass Land	10-28
Soil Land	20-30
Sand Land	35-37
Snow Land	75-95

5–30% more power output comparing to conventional solar PV module

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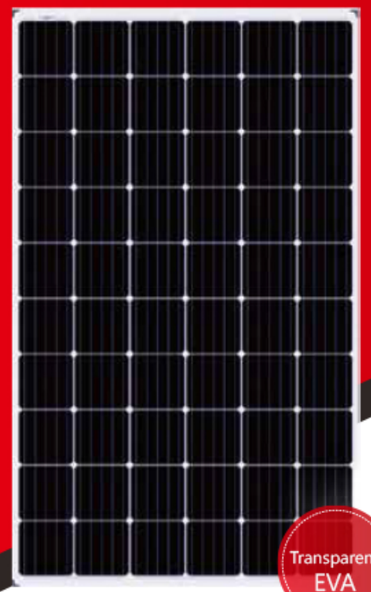
Monocrystalline Module

Model: WXN-M60-295~310A
N-PERT Type



310W
Max power output

18.8%
Max Efficiency

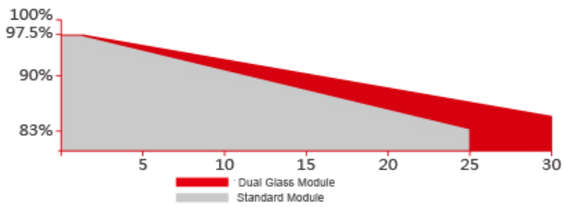
0~+5W
Positive Power Tolerance

Your trusted brand of high quality

- ★ Professional crystalline silicon photovoltaic module manufacturer.
- ★ Fully automated production line with leading photovoltaic technology.
- ★ Adopt strict international standard quality management system ISO 9001:2015, ISO14001: 2015.
- ★ Passed variety of harsh environmental tests (salt spray, ammonia and sand storm corrosion test IEC61730-2:2016, IEC61215:2016).
- ★ Owns 188 national patents.

Linear Performance Warranty

10 years Product Warranty 30 years Linear Power Warranty



Highly reliable due to stringent quality control
- PID resistant and free of snail trails
- Increased module robustness to minimize micro-cracks
- 100% EL double inspection

Enhanced safety
- Fire class A fireproof level for super safety performance.

Increased value
- Higher maximum system voltage reduces BOS costs
- 30 year linear warranty
- 0.5% annual degradation
- Low thermal coefficents for more energy production at higher temperatures

Certified to withstand the most challenging environmental conditions
- Module coating resistant to sand, acid, and alkali
- 2400 Pa wind load
- 5400 Pa snow load
- 35 mm hail stones at 97 km/h

DOUBLE GLASS BIFICIAL PV MODULE

Electrical DATA (STC)					
Model		WXN-M60 295	WXN-M60 300	WXN-M60 305	WXN-M60 310
Peak Power Watts-P_{MAX}	(Wp)	295	300	305	310
Max-Power Voltage -V_{MPP}	(V)	32.1	32.3	32.5	32.7
Max-Power Current-I_{MPP}	(A)	9.20	9.29	9.39	9.49
Open Circuit Voltage-V_{oc}	(V)	39.0	39.2	39.4	39.6
Short Circuit Current-I_{sc}	(A)	9.74	9.82	9.90	9.98
Module Efficiency-η_m	(%)	17.9	18.2	18.5	18.8
Power Output Tolerance-P_{MAX}	(W)	0~+5			

STC: Irradiance 1000W/㎡ , cell temperature 25°C , air mass AM1.5.

Electrical DATA (NOCT)					
Max-Power-P_{MAX}	(Wp)	217	221	224	228
Max-Power Voltage -V_{MPP}	(V)	29.5	29.7	29.8	30.0
Max-Power Current-I_{MPP}	(A)	7.36	7.43	7.51	7.59
Open Circuit Voltage-V_{oc}	(V)	36.1	36.3	36.4	36.6
Short Circuit Current-I_{sc}	(A)	7.85	7.91	7.98	8.04

NOCT: Irradiance 800W/㎡ , ambient temperature 20°C , wind speed 1m/s.

Mechanical DATA	
Solar Cells	Monocrystalline 156.75×156.75 mm
Number of cells	60 Cells (6×10)
Module Dimensions	1658×992×6 mm
Weight	23KG
Front glass	2.5mm highly Transmission anti-reflective coating tempered glass
EVA	Transparent
Back glass	2.5mm textured tempered glass
Frame	Frameless
Junction box	IP67 or IP68 rated
Cables	Photovoltaic Technology Cable 4.0mm² Portrait : 300/300mm
Connector	Original MC4 or compatible with MC4
Wind load /Snow load	2400Pa/5400Pa
Fire Type	Class A

Temperature Rating	
NOCT(Norminal Operating Cell Temperature)	45±2°C
Temperature Coefficient of P_{MAX}	-0.41%/°C
Temperature Coefficient of V_{oc}	-0.32%/°C
Temperature Coefficient of I_{sc}	+0.055%/°C

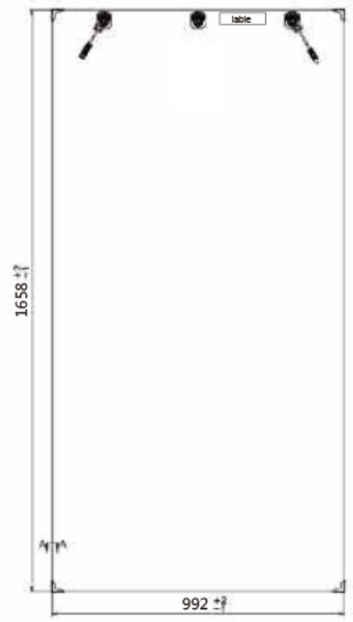
Maximum Rating	
Operating Temperature	-40~+85°C
Maximum System Voltage	1500V DC(IEC)
Max Series Fuse Rating	15A

Warranty
10 years Product Workmanship Warranty
30 years Linear Power Warranty

Packing Information
Packed in carton and loaded on pallet
396 Pcs / 20ft GP and 858 Pcs / 40ft HQ

More details refer to Fivestar product instructions.

Module size

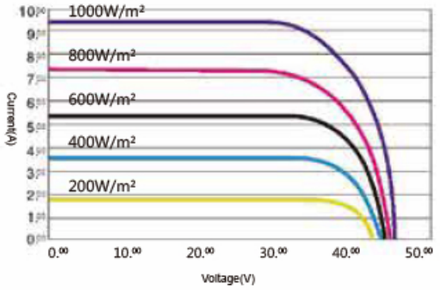


Back view



A-A

I–V Curve (310W)



Irradiation condition (200W/㎡ (AM1.5, 25 °C)

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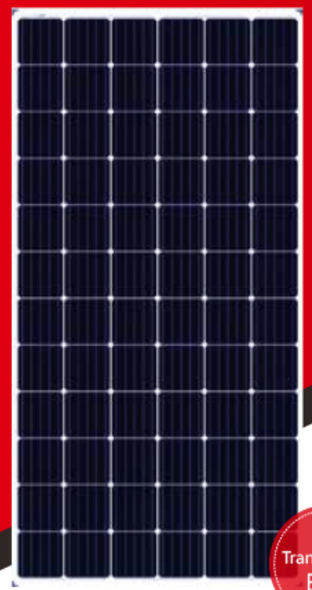
Monocrystalline Module
Model: WXN-M72-355~370A
N-PERT Type



Transparent EVA

370W
Max power output

18.9%
Max Efficiency

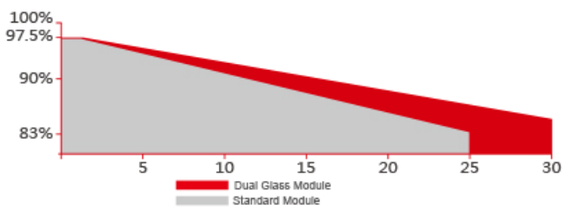
0~+5W
Positive Power Tolerance

Your trusted brand of high quality

- ★ Professional crystalline silicon photovoltaic module manufacturer.
- ★ Fully automated production line with leading photovoltaic technology.
- ★ Adopt strict international standard quality management system ISO 9001:2015, ISO14001: 2015.
- ★ Passed variety of harsh environmental tests (salt spray, ammonia and sand storm corrosion test IEC61730-2:2016, IEC61215:2016).
- ★ Owns 188 national patents.

Linear Performance Warranty

10 years Product Warranty 30 years Linear Power Warranty



Highly reliable due to stringent quality control
- PID resistant and free of snail trails
- Increased module robustness to minimize micro-cracks
- 100% EL double inspection

Enhanced safety
- Fire class A fireproof level for super safety performance.

Increased value
- Higher maximum system voltage reduces BOS costs
- 30 year linear warranty
- 0.5% annual degradation
- Low thermal coefficents for more energy production at higher temperatures

Certified to withstand the most challenging environmental conditions
- Module coating resistant to sand, acid, and alkali
- 2400 Pa wind load
- 5400 Pa snow load
- 35 mm hail stones at 97 km/h

DOUBLE GLASS BIFICIAL PV MODULE

Electrical DATA (STC)					
Model		WXN-M72 355	WXN-M72 360	WXN-M72 365	WXN-M72 370
Peak Power Watts-P_{MAX}	(Wp)	335	360	365	370
Max-Power Voltage -V_{MPP}	(V)	37.9	38.1	38.2	38.4
Max-Power Current-I_{MPP}	(A)	9.38	9.47	9.56	9.66
Open Circuit Voltage-V_{oc}	(V)	44.5	44.7	44.8	45.0
Short Circuit Current-I_{sc}	(A)	9.96	10.05	10.14	10.23
Module Efficiency-η_m	(%)	18.1	18.4	18.6	18.9
Power Output Tolerance-P_{MAX}	(W)	0~+5			

STC: Irradiance 1000W/㎡ , cell temperature 25°C , air mass AM1.5.

Electrical DATA (NOCT)					
Max-Power-P_{MAX}	(Wp)	261	265	268	272
Max-Power Voltage -V_{MPP}	(V)	34.9	35.0	35.1	35.2
Max-Power Current-I_{MPP}	(A)	7.49	7.57	7.65	7.73
Open Circuit Voltage-V_{oc}	(V)	41.2	41.3	41.4	41.6
Short Circuit Current-I_{sc}	(A)	8.03	8.10	8.17	8.25

NOCT: Irradiance 800W/㎡ , ambient temperature 20°C , wind speed 1m/s.

Mechanical DATA	
Solar Cells	Monocrystalline 156.75×156.75 mm
Number of cells	72 Cells (6×12)
Module Dimensions	1974×992×6 mm
Weight	27KG
Front glass	2.5mm highly Transmission anti-reflective coating tempered glass
EVA	Transparent
Back glass	2.5mm textured tempered glass
Frame	Frameless
Junction box	IP67 or IP68 rated
Cables	Photovoltaic Technology Cable 4.0mm² Portrait : 300/300mm
Connector	Original MC4 or compatible with MC4
Wind load /Snow load	2400Pa/5400Pa
Fire Type	Class A

Temperature Rating	
NOCT(Norminal Operating Cell Temperature)	45±2°C
Temperature Coefficient of P_{MAX}	-0.41%/°C
Temperature Coefficient of V_{oc}	-0.32%/°C
Temperature Coefficient of I_{sc}	+0.055%/°C

Maximum Rating	
Operating Temperature	-40~+85°C
Maximum System Voltage	1500V DC(IEC)
Max Series Fuse Rating	15A

Warranty
10 years Product Workmanship Warranty
30 years Linear Power Warranty

Packing Information
Packed in carton and loaded on pallet
330 Pcs / 20ft GP and 728 Pcs / 40ft HQ

More details refer to Fivestar product instructions.

Module size

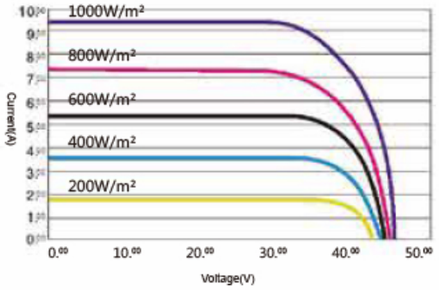


Back view



A-A

I–V Curve (370W)



Irradiation condition (200W/㎡ (AM1.5, 25 °C)

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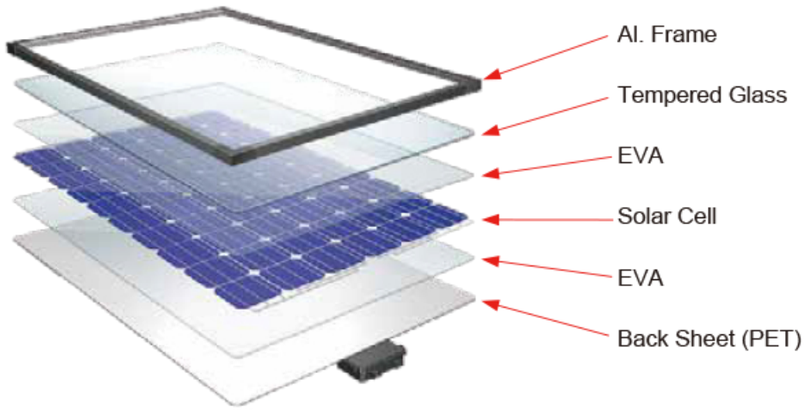
Conventional PV Module ---With Aluminum frame





PRODUCT FEATURE

Advanced Production Facility
Fully–automatical equipment with strict quality control process

Strict Quality Control
ISO9001,ISO14001, OHSAS18001 passed

Outstanding Mechanical Performance
★ Wind load 2400Pa
★ Snow load 5400Pa
★ 35mm hail stones at 97 km/h

High Reliable
★Over 30 in–house test
★PID resistant
★100% EL and IV inspection
★TUV, CE Certified

Low Decay Rate
0.7% in the industry



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Polycrystalline Module
Model: WXC-P60-270~285A



285W
Max power output

17.4%
Max Efficiency

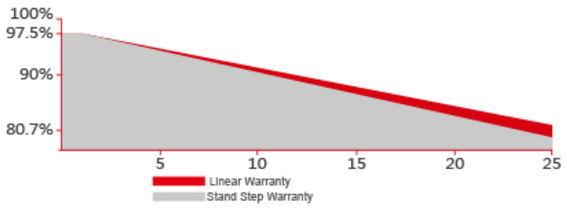
0~+5W
Positive Power Tolerance

Your trusted brand of high quality

- ★ Professional crystalline silicon photovoltaic module manufacturer.
- ★ Fully automated production line with leading photovoltaic technology.
- ★ Adopt strict international standard quality management system ISO 9001:2015, ISO14001: 2015.
- ★ Passed variety of harsh environmental tests (salt spray, ammonia and sand storm corrosion test IEC61730-2:2016, IEC61215:2016).
- ★ Owns 188 national patents.
- ★ Twice EL test to ensure the reliability of the solar modules.

Linear Performance Warranty

10 years Product Warranty 25 years Linear Power Warranty



Maximize limited space with top-end efficiency
- Low thermal coefficients for greater energy production at high operating temperatures

Highly reliable due to stringent quality control
- Over 30 in-house tests (UV, TC, HF, and many more)
- In-house testing goes well beyond certification requirements
- PID resistant
- 100% EL double inspection

Certified to withstand the most challenging environmental conditions
- 2400 Pa wind load
- 5400 Pa snow load
- 35 mm hail stones at 97 km/h

Electrical DATA (STC)					
Model		WXC-P60 270	WXC-P60 275	WXC-P60 280	WXC-P60 285
Peak Power Watts-P_{MAX}	(Wp)	270	275	280	285
Max-Power Voltage -V_{MPP}	(V)	31.2	31.4	31.6	31.8
Max-Power Current-I_{MPP}	(A)	8.65	8.76	8.86	8.96
Open Circuit Voltage-V_{OC}	(V)	38.3	38.5	38.7	38.9
Short Circuit Current-I_{SC}	(A)	9.29	9.38	9.46	9.54
Module Efficiency-η_m	(%)	16.5	16.8	17.1	17.4
Power Output Tolerance-P_{MAX}	(W)	0~+5			

STC: Irradiance 1000W/㎡ , cell temperature 25°C , air mass AM1.5.

Electrical DATA (NOCT)					
Max-Power-P_{MAX}	(Wp)	199.91	203.33	207.48	210.96
Max-Power Voltage -V_{MPP}	(V)	28.6	28.8	29.1	29.3
Max-Power Current-I_{MPP}	(A)	6.99	7.06	7.13	7.20
Open Circuit Voltage-V_{OC}	(V)	35.4	35.6	35.8	36.0
Short Circuit Current-I_{SC}	(A)	7.51	7.58	7.65	7.71

NOCT: Irradiance 800W/㎡ , ambient temperature 20°C , wind speed 1m/s.

Mechanical DATA	
Solar Cells	Polycrystalline 156.75×156.75 mm
Number of cells	60 Cells (6×10)
Module Dimensions	1650×992×35mm
Weight	19.5KG
Glass	3.2mm highly Transmission anti-reflective coating tempered glass
Backsheet	White
Frame	Anodized Aluminum
Junction box	IP67 or IP68 rated
Cables	Photovoltaic Technology Cable 4.0mm² , 900mm
Connector	Original MC4 or compatible with MC4
Wind load /Snow load	2400Pa/5400Pa

Temperature Rating	
NOCT(Norminal Operating Cell Temperature)	45±2°C
Temperature Coefficient of P_{MAX}	-0.41%/°C
Temperature Coefficient of V_{oc}	-0.32%/°C
Temperature Coefficient of I_{sc}	+0.055%/°C

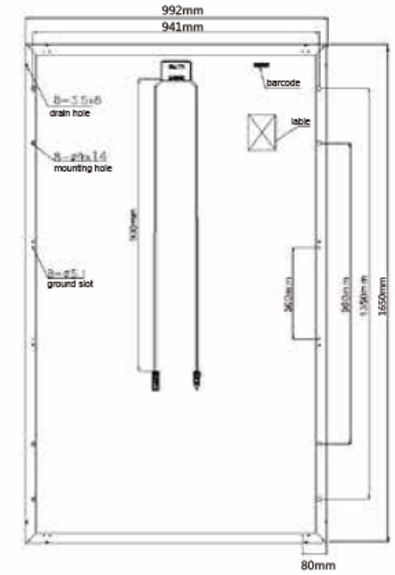
Maximum Rating	
Operating Temperature	-40~+85°C
Maximum System Voltage	1000V DC(IEC)
Max Series Fuse Rating	15A

Warranty Policy
10 years Product Workmanship Warranty
25 years Linear Power Warranty

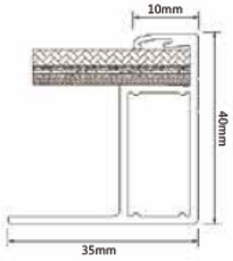
Packing Information
Packed in carton and loaded on pallet
360 Pcs / 20ft GP and 780 Pcs / 40ft HQ

More details refer to Fivestar product instructions.

Module size

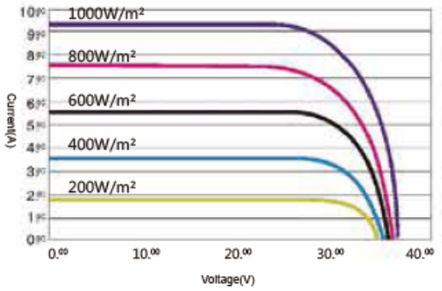


Back view



A-A

I–V Curve (285W)



solar irradiation condition (200W/㎡ (AM1.5, 25 °C)

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Polycrystalline Module

Model: WXC-P72-325~340A



340W
Max power output

17.5%
Max Efficiency

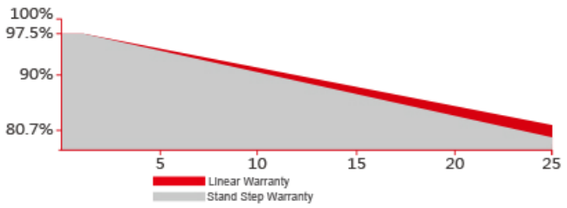
0~+5W
Positive Power Tolerance

Your trusted brand of high quality

- ★ Professional crystalline silicon photovoltaic module manufacturer.
- ★ Fully automated production line with leading photovoltaic technology.
- ★ Adopt strict international standard quality management system ISO 9001:2015, ISO14001: 2015.
- ★ Passed variety of harsh environmental tests (salt spray, ammonia and sand storm corrosion test IEC61730-2:2016, IEC61215:2016).
- ★ Owns 188 national patents.
- ★ Twice EL test to ensure the reliability of the solar modules.

Linear Performance Warranty

10 years Product Warranty　　25 years Linear Power Warranty



Maximize limited space with top-end efficiency
- Low thermal coefficients for greater energy production at high operating temperatures

Highly reliable due to stringent quality control
- Over 30 in-house tests (UV, TC, HF, and many more)
- In-house testing goes well beyond certification requirements
- PID resistant
- 100% EL double inspection

Certified to withstand the most challenging environmental conditions
- 2400 Pa wind load
- 5400 Pa snow load
- 35 mm hail stones at 97 km/h

Electrical DATA (STC)					
Model		WXC-P72 325	WXC-P72 330	WXC-P72 335	WXC-P72 340
Peak Power Watts-P_{MAX}	(Wp)	325	330	335	340
Max-Power Voltage -V_{MPP}	(V)	37.6	37.8	38.0	38.2
Max-Power Current-I_{MPP}	(A)	8.64	8.73	8.82	8.90
Open Circuit Voltage-V_{OC}	(V)	46.0	46.2	46.4	46.6
Short Circuit Current-I_{SC}	(A)	9.24	9.33	9.41	9.49
Module Efficiency-η_m	(%)	16.7	17.0	17.3	17.5
Power Output Tolerance-P_{MAX}	(W)	0~+5			

STC: Irradiance 1000W/㎡ , cell temperature 25°C , air mass AM1.5.

Electrical DATA (NOCT)					
Max-Power-P_{MAX}	(Wp)	240.82	243.94	247.79	251.32
Max-Power Voltage -V_{MPP}	(V)	34.6	34.7	34.9	35.1
Max-Power Current-I_{MPP}	(A)	6.94	7.03	7.10	7.16
Open Circuit Voltage-V_{OC}	(V)	42.6	42.7	42.9	43.1
Short Circuit Current-I_{SC}	(A)	7.47	7.54	7.61	7.67

NOCT: Irradiance 800W/㎡ , ambient temperature 20°C , wind speed 1m/s.

Mechanical DATA	
Solar Cells	Polycrystalline 156.75×156.75 mm
Number of cells	72 Cells (6×12)
Module Dimensions	1956×992×40mm
Weight	22.2KG
Glass	3.2mm highly Transmission anti-reflective coating tempered glass
Backsheet	White
Frame	Anodized Aluminum
Junction box	IP67 or IP68 rated
Cables	Photovoltaic Technology Cable 4.0mm² , 900mm
Connector	Original MC4 or compatible with MC4
Wind load /Snow load	2400Pa/5400Pa

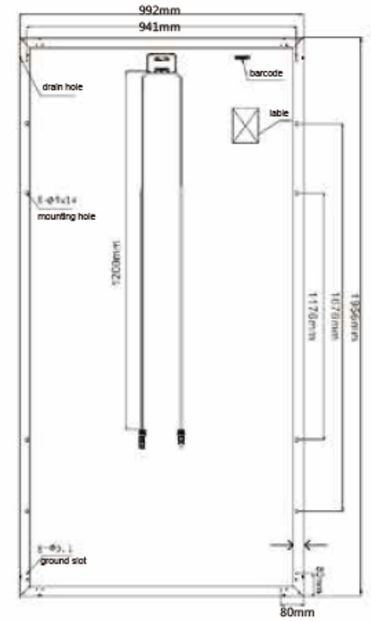
Temperature Rating	
NOCT(Norminal Operating Cell Temperature)	45±2°C
Temperature Coefficient of P_{MAX}	-0.41%/°C
Temperature Coefficient of V_{OC}	-0.32%/°C
Temperature Coefficient of I_{SC}	+0.055%/°C

Maximum Rating	
Operating Temperature	-40~+85°C
Maximum System Voltage	1000V DC(IEC)
Max Series Fuse Rating	15A

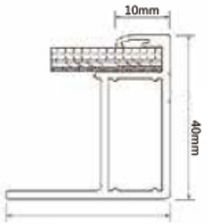
Warranty Policy	Packing Information
10 years Product Workmanship Warranty	Packed in carton and loaded on pallet
25 years Linear Power Warranty	260 Pcs / 20ft GP and 572 Pcs / 40ft HQ

More details refer to Fivestar product instructions.

Module size

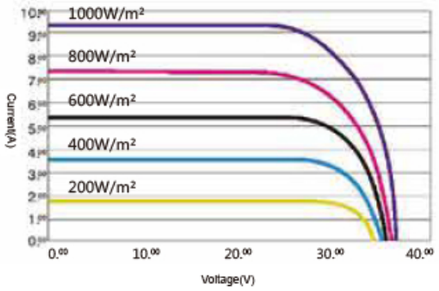


Back view



A-A

I–V Curve (340W)



solar irradiation condition (200W/㎡ (AM1.5, 25 °C)

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Monocrystalline Module
Model: WXC-M60-285~300A



300W
Max power output

18.3%
Max Efficiency

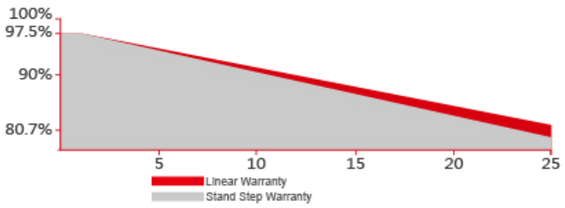
0~+5W
Positive Power Tolerance

Your trusted brand of high quality

- ★ Professional crystalline silicon photovoltaic module manufacturer.
- ★ Fully automated production line with leading photovoltaic technology.
- ★ Adopt strict international standard quality management system ISO 9001:2015, ISO14001: 2015.
- ★ Passed variety of harsh environmental tests (salt spray, ammonia and sand storm corrosion test IEC61730-2:2016, IEC61215:2016).
- ★ Owns 188 national patents.
- ★ Twice EL test to ensure the reliability of the solar modules.

Linear Performance Warranty

10 years Product Warranty 25 years Linear Power Warranty



Maximize limited space with top-end efficiency
- Low thermal coefficients for greater energy production at high operating temperatures

Highly reliable due to stringent quality control
- Over 30 in-house tests (UV, TC, HF, and many more)
- In-house testing goes well beyond certification requirements
- PID resistant
- 100% EL double inspection

Certified to withstand the most challenging environmental conditions
- 2400 Pa wind load
- 5400 Pa snow load
- 35 mm hail stones at 97 km/h

Electrical DATA (STC)					
Model		WXC-M60 285	WXC-M60 290	WXC-M60 295	WXC-M60 300
Peak Power Watts-P_{MAX}	(Wp)	285	290	295	300
Max-Power Voltage -V_{MPP}	(V)	31.8	32.0	32.2	32.4
Max-Power Current-I_{MPP}	(A)	8.96	9.06	9.16	9.26
Open Circuit Voltage-V_{oc}	(V)	38.9	39.1	39.3	39.5
Short Circuit Current-I_{sc}	(A)	9.54	9.63	9.69	9.77
Module Efficiency-η_m	(%)	17.5	17.8	18.1	18.3
Power Output Tolerance-P_{MAX}	(W)	0~+5			

STC: Irradiance 1000W/㎡ , cell temperature 25°C , air mass AM1.5.

Electrical DATA (NOCT)					
Max-Power-P_{MAX}	(Wp)	210.96	214.76	218.00	221.56
Max-Power Voltage -V_{MPP}	(V)	29.3	29.5	29.7	29.9
Max-Power Current-I_{MPP}	(A)	7.20	7.28	7.34	7.41
Open Circuit Voltage-V_{oc}	(V)	36.0	36.2	36.3	36.5
Short Circuit Current-I_{sc}	(A)	7.71	7.78	7.83	7.90

NOCT: Irradiance 800W/㎡ , ambient temperature 20°C , wind speed 1m/s.

Mechanical DATA	
Solar Cells	Monocrystalline 156.75×156.75 mm
Number of cells	60Cells (6×10)
Module Dimensions	1650×992×35mm
Weight	19.5KG
Glass	3.2mm highly Transmission anti-reflective coating tempered glass
Backsheet	White
Frame	Anodized Aluminum
Junction box	IP67 or IP68 rated
Cables	Photovoltaic Technology Cable 4.0mm² , 900mm
Connector	Original MC4 or compatible with MC4
Wind load /Snow load	2400Pa/5400Pa

Temperature Rating	
NOCT(Norminal Operating Cell Temperature)	45±2°C
Temperature Coefficient of P_{MAX}	-0.41%/°C
Temperature Coefficient of V_{oc}	-0.32%/°C
Temperature Coefficient of I_{sc}	+0.055%/°C

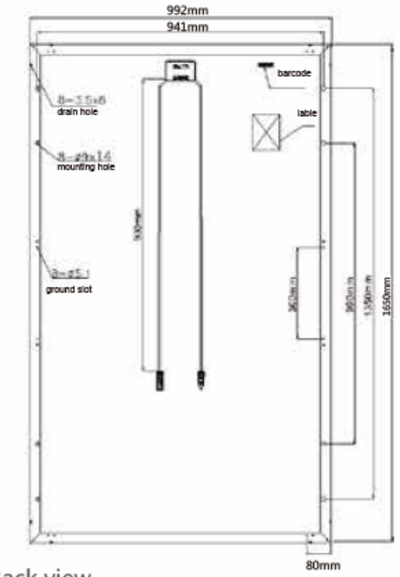
Maximum Rating	
Operating Temperature	-40~+85°C
Maximum System Voltage	1000V DC(IEC)
Max Series Fuse Rating	15A

Warranty Policy
10 years Product Workmanship Warranty
25 years Linear Power Warranty

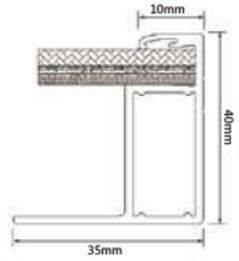
Packing Information
Packed in carton and loaded on pallet
360 Pcs / 20ft GP and 780 Pcs / 40ft HQ

More details refer to Fivestar product instructions.

Module size

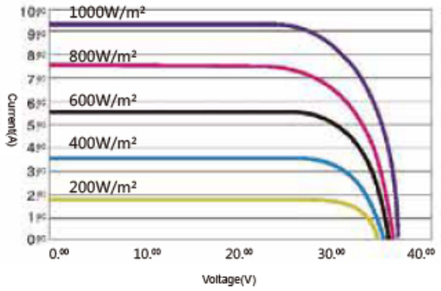


Back view



A-A

I–V Curve (300W)

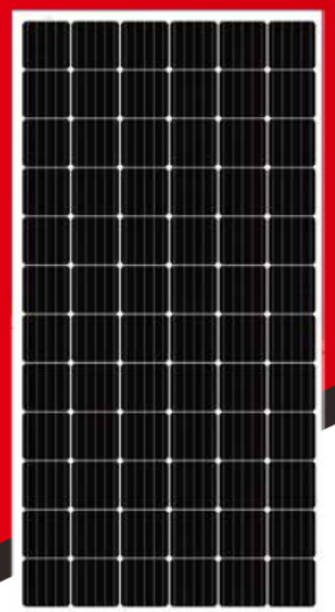


solar irradiation condition (200W/㎡ (AM1.5, 25 °C)

NA-VIEW INTERNATIONAL
NA-VIEW 纳域国际

Monocrystalline Module

Model: WXC-M72-345~360A



360W
Max power output

18.6%
Max Efficiency

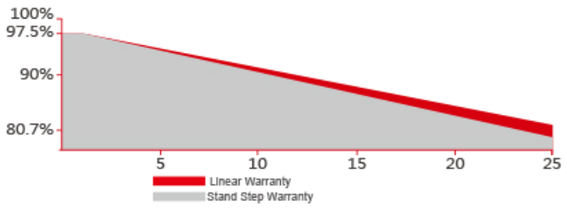
0~+5W
Positive Power Tolerance

Your trusted brand of high quality

- ★ Professional crystalline silicon photovoltaic module manufacturer.
- ★ Fully automated production line with leading photovoltaic technology.
- ★ Adopt strict international standard quality management system ISO 9001:2015, ISO14001: 2015.
- ★ Passed variety of harsh environmental tests (salt spray, ammonia and sand storm corrosion test IEC61730-2:2016, IEC61215:2016).
- ★ Owns 188 national patents.
- ★ Twice EL test to ensure the reliability of the solar modules.

Linear Performance Warranty

10 years Product Warranty　　25 years Linear Power Warranty



Maximize limited space with top-end efficiency
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Highly reliable due to stringent quality control
- Over 30 in-house tests (UV, TC, HF, and many more)
- In-house testing goes well beyond certification requirements
- PID resistant
- 100% EL double inspection

Certified to withstand the most challenging environmental conditions
- 2400 Pa wind load
- 5400 Pa snow load
- 35 mm hail stones at 97 km/h

Electrical DATA (STC)					
Model		WXC-M72 345	WXC-M72 350	WXC-M72 355	WXC-M72 360
Peak Power Watts-P_{MAX}	(Wp)	345	350	355	360
Max-Power Voltage -V_{MPP}	(V)	38.4	38.6	38.8	39.7
Max-Power Current-I_{MPP}	(A)	8.99	9.07	9.15	9.24
Open Circuit Voltage-V_{oc}	(V)	46.8	47.0	47.2	47.4
Short Circuit Current-I_{sc}	(A)	9.57	9.65	9.73	9.81
Module Efficiency-η_m	(%)	17.8	18.0	18.3	18.6
Power Output Tolerance-P_{MAX}	(W)	0~+5			

STC: Irradiance 1000W/㎡ , cell temperature 25°C , air mass AM1.5.

Electrical DATA (NOCT)					
Max-Power-P_{MAX}	(Wp)	255.57	259.15	262.75	266.38
Max-Power Voltage -V_{MPP}	(V)	35.3	35.5	35.7	35.9
Max-Power Current-I_{MPP}	(A)	7.24	7.30	7.36	7.42
Open Circuit Voltage-V_{oc}	(V)	43.3	43.5	43.7	43.9
Short Circuit Current-I_{sc}	(A)	7.74	7.79	7.84	7.89

NOCT: Irradiance 800W/㎡ , ambient temperature 20°C , wind speed 1m/s.

Mechanical DATA	
Solar Cells	Monocrystalline 156.75×156.75 mm
Number of cells	72Cells (6×12)
Module Dimensions	1956×992×40mm
Weight	22.2KG
Glass	3.2mm highly Transmission anti-reflective coating tempered glass
Backsheet	White
Frame	Anodized Aluminum
Junction box	IP67 or IP68 rated
Cables	Photovoltaic Technology Cable 4.0mm² , 900mm
Connector	Original MC4 or compatible with MC4
Wind load /Snow load	2400Pa/5400Pa

Temperature Rating	
NOCT(Norminal Operating Cell Temperature)	45±2°C
Temperature Coefficient of P_{MAX}	-0.41%/°C
Temperature Coefficient of V_{oc}	-0.32%/°C
Temperature Coefficient of I_{sc}	+0.055%/°C

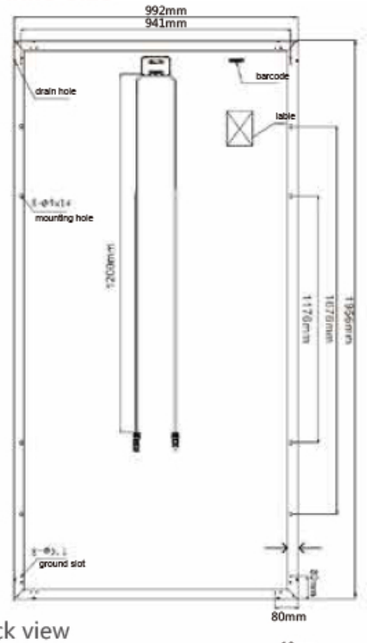
Maximum Rating	
Operating Temperature	-40~+85°C
Maximum System Voltage	1000V DC(IEC)
Max Series Fuse Rating	15A

Warranty Policy
10 years Product Workmanship Warranty
25 years Linear Power Warranty

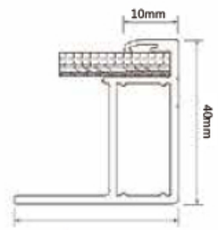
Packing Information
Packed in carton and loaded on pallet
260 Pcs / 20ft GP and 572 Pcs / 40ft HQ

More details refer to Fivestar product instructions.

Module size

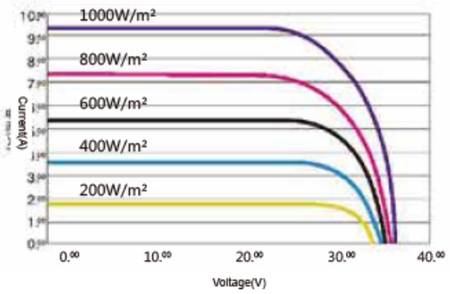


Back view



A-A

I–V Curve (360W)

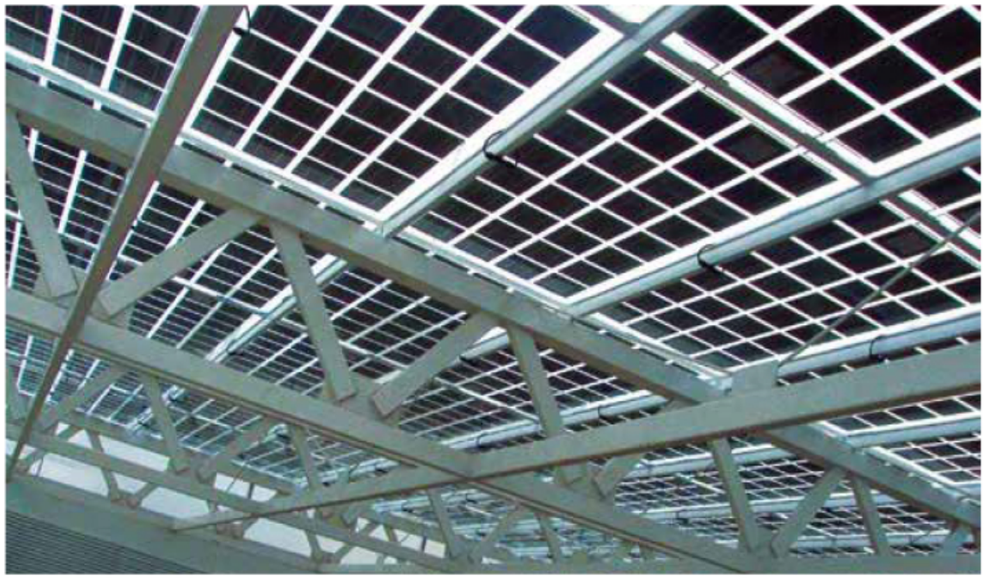


solar irradiation condition (200W/㎡ (AM1.5, 25 °C)

EXPERT OF 50,000 SOLAR PROJECTS IN CHINA

NA-VIEW
NA-VIEW INTERNATIONAL
纳域国际

EXAMPLE OF RESIDENTIAL INSTALLATION

























EXAMPLE OF COMMERCIAL PROJECT



7.95 MW Solar Power System in Guangzhou



3.7 MW Solar Power System



3.7 MW Solar Power System



3.0 MW Solar Power System



2.55 MW Solar Power System



15MW PV Power Station



2.0 MW Solar Power System



1.66 MW Solar Power System



3.13 MW Solar Power System



271.08 KW Solar Car Park in Shenzhen



98.28 KW Solar Charging System for Automobile in Shenzhen