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COMPANY INTRODUCTION

- About Us
- Jinyuan Certification and Titles
- Mission&Value
- Quality Guarantee

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CELL 182 SERIES

- Mono 108 Half Cut-385W-415W
- Mono 120 Half Cut-435W-470W
- Mono 132 Half Cut-480W-505W
- Mono Bifacial 132 Half Cut-475W-500W
- Mono 144 Half Cut-530W-550W
- Mono Bifacial 144 Half Cut-535W-545W

03

P21-30

CELL 166 SERIES

- Mono 120 Half Cut-355W-380W
- Mono Bifacial 120 Half Cut-365W-380W
- Mono 144 Half Cut-425W-455W
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04

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CELL 158.75 SERIES

- Mono 60 Full Cell-315-330W
- Mono 120 Half Cut-325W-340W
- Poly 60 Full Cell-275-290W
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- Poly 72 Full Cell-330-345W
- Poly 144 Half Cut-340-355W

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PROJECT REFERENCES

- Ground-Mounted Power Plant
- Commercial Solar Rooftop
- Residential Solar Rooftop
- Floating Solar Farm
- Solar Irrigation

About Us

- Founded in 2004, Guangdong Jinyuan Solar Energy Co.,Ltd-Former Name: Guangdong Jinyuan Lighting Technology Co.,Ltd is one of few companies worldwide that specialize in R&D, production and sales of solar renewable energy, LED lighting products including LED chips encapsulation.
- With the titles of "Backbone enterprises of strategic emerging industries", "State-level high-tech&Innovative enterprises"and "National Enterprises of Superior Intellectual Property" ISO advanced management system certification, CQC, TUV, UL, CE and other domestic and foreign product professional certification are available.
- Several UL certified LED automatic production lines, TUV certified highly intelligent automatic photovoltaic module production lines, as well as the advanced experimental production equipment are set. With a complete industrial chain for the preponderant price and quality ; Through innovative and independent research and development,and the application of industry-leading technology, we have a full range of customized services to provide global customers with green energy solutions.
- In 2021, we increase production capacity and expand the fully new automatic energy-saving MBB high-efficiency photovoltaic module production line, making the total photovoltaic module production capacity of the company rank first in Guangdong province.



Guangdong Jinyuan Solar Energy Co.,Ltd

Unlocking Solar Transforming Lives



1400+
Total employees



60000+
Floor area



260+
Patents



200+
R&D Engineers



3000+
R&D/Test area



200+ Countries
Global Partners



Quality
TUV Certified PV Module



1 GW +
MBB 210 Production Line



Flexibility
1-600W+ PV Module

PRODUCT CERTIFICATION



MANAGEMENT CERTIFICATION

- ISO 9001:2015
- ISO 45001:2018
- ISO 14001:2015
- GB/T29490-2013
- ISO 10012:2003

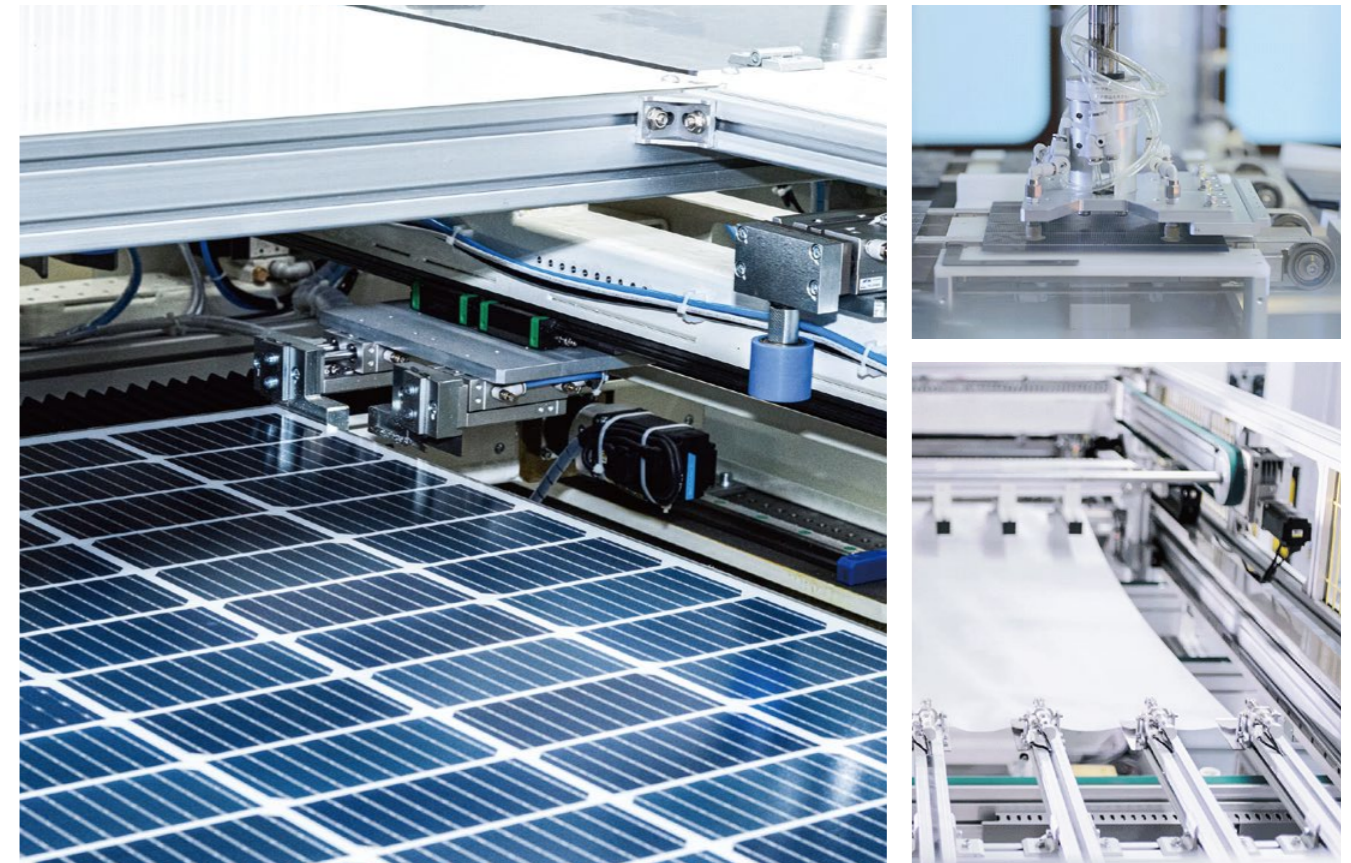
VALUE: RESPECT

- Responsible
- Empathetic
- Self-Motivated
- Passionate
- Efficient
- Consistent
- Thoughtful

JINYUAN MISSION

Unlocking Solar
Transforming Lives

Quality Guarantee



Strict IEC Standard

- 4-fold thermal cycling test in acc. with IEC standard we conduct at least 200 cycles.
- 4-fold damp heat test in acc. with IEC standard we conduct at least 1,000 hours.
- 4-fold humidity freeze test in acc. with IEC standard we conduct at least 10 hours.
- 10-fold PID free test in acc. with IEC standard we pass 96 hrs@650C-85%RH.

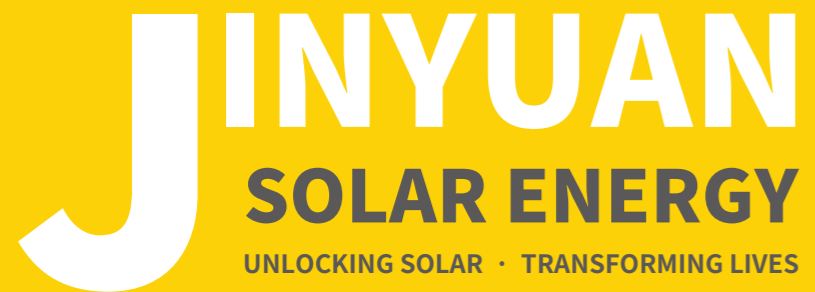
Stringent Quality Assurance in Production to Ensure Consistency

- 100 % Electro Luminescence Test Before and After Lamination.
- 100% “zero” Micro Crack Monitoring and Optimal Test Before Shipment.
- Daily Test of Grounding Behavior.
- Daily Welt Leakage Testing.

Comprehensive and Continuous Testing Guarantees Accuracy

- Do thermal cycle testing on Certain quantity of modules from Running Production.
- 30 Days Monthly climatic testing from Running Production.





PRODUCTION | INNOVATION | CUSTOMIZATION

182
SERIES

182

JY4MxxxH54(H)

Multi Busbar Monocrystalline
Half Cell PV Module

Power Output : 385W - 420W
Power Tolerance : 0W ~ +5W
Maximum Efficiency : 21.5%

Highlights

- Assembled with multi-busbar cells , reduce shading effect on the energy generation, lower risk of hot spot.
- Pass the test for weather resistance in harsh environments (salt mist, ammonia corrosion and sand).
- Excellent encapsulating materials and strict production process to ensure highly resistance against PID (Potential Induced Degradation) of PV module.
- Lower oxygen and carbon content result in lower LID.
- Series and parallel design, reduce the series resistance RS of module, reduce the loss of internal electrical performance, and improve the power generation capacity of whole system.
- Cutting solar cell technology, which significantly reduces string current and module damage, it is a good choice for projects in high temperature areas.



Optional

- Connector

☐ Original MC4
- Cable length

☐ 1000mm ☐ 900mm
- Frame

☐ Black
- Solar Module Dimension

☐ 1722x1134x40mm
- Back sheet color

☐ Black ☐ Transparency

Packaging

- Number of modules per pallet

31 pcs
- 17.5*2.8m

Flatbed loading

1178 pcs
- 13.0*2.35m

Flatbed loading

868 pcs
- 40HQ

Standard container

806 pcs

Electrical performance parameters | STC

Power Output	Pmax(W)	385	390	395	400	405	410	415	420
Rated Power Maximum Voltage	Vmp(V)	30.50	30.60	30.80	31.00	31.20	31.40	31.60	31.80
Rated Power Maximum Current	Imp(A)	12.64	12.73	12.81	12.90	12.98	13.04	13.13	13.22
Open Circuit Voltage	Voc(V)	36.70	36.90	37.00	37.10	37.20	37.30	37.50	37.70
Short Circuit Current	Isc(A)	13.52	13.61	13.70	13.79	13.87	13.95	14.02	14.09
Module Efficiency	(%)	19.7	20.0	20.2	20.5	20.7	21.0	21.3	21.5
Power Tolerance	(W)	0~+5W							

* STC : 1000W/m2 irradiance, 25°C module temperature, AM1.5 spectrum.
Power measurement error +/- 3%

Electrical performance parameters | NMOT

Power output	Pmax (W)	291.4	295.2	299.0	302.8	306.6	310.4	314.2	317.9
Rated Power Maximum Voltage	Vmp (V)	28.27	28.37	28.55	28.74	28.92	29.11	29.29	29.48
Rated Power Maximum Current	Imp (A)	10.30	10.37	10.44	10.51	10.58	10.63	10.70	10.77
Open Circuit Voltage	Voc (V)	34.64	34.83	34.93	35.02	35.11	35.21	35.40	35.59
Short Circuit Current	Isc (A)	10.82	10.89	10.96	11.03	11.10	11.16	11.21	11.27

* NMOT:800W/m2 irradiance, 20°C module temperature, 1m/s wind speed.
Power measurement error +/- 3%

Structure Features

Solar Cell	182MONO(Half Cell)
Solar Cell Array	108 pcs(6×18)
Module Dimension	1722×1134×35mm
Weight	20.8 kg
Glass	3.2 mm (0.13 inches) highly transparent anti-reflection coating tempered glass
Back sheet	White
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
Cable	4mm ² 、L=300 mm、PV cable
Diode Quantity	3
Wind Pressure/Snow Pressure	2400pa / 5400pa
Connector	MC4 Compatible

* More details please read the installation manual.

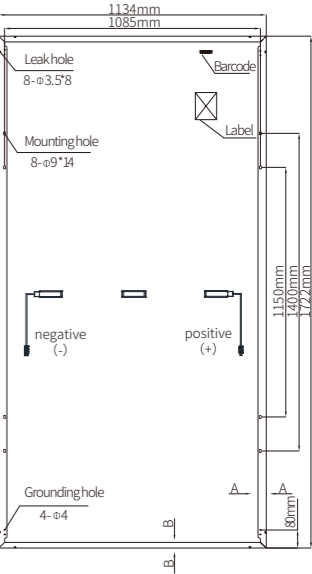
Temperature Characteristics

Solar Cells Rated Working Temperature	44±2°C
Temperature Coefficient (Isc)	+0.06%/°C
Temperature Coefficient (Voc)	-0.35%/°C
Temperature Coefficient (Pmax)	-0.38%/°C

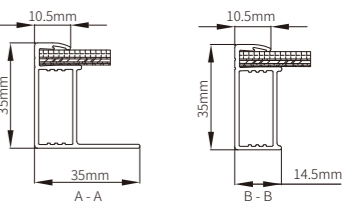
Maximum Ratings

Working Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Maximum Fuse Rated Current	25A

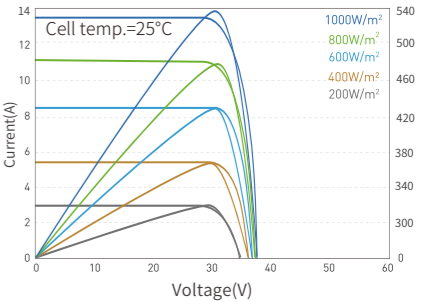
Module Dimension



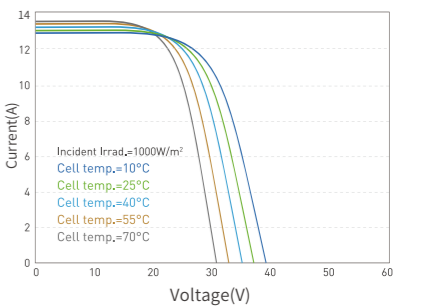
Back View



I-V curves/P-V curves of module under different irradiation(405w)

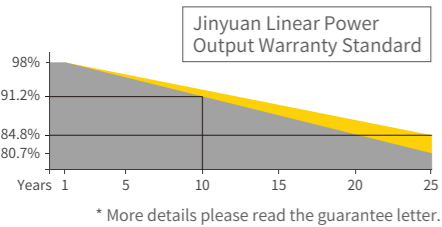


I-V curves of module under different temperature(405w)



Jinyuan Offers Long-term Quality Assurance







- 12 years Product Warranty
- 25 years Linear Power Output Warranty
- The attenuation of the power output in the first year ≤2%
The annual average attenuation after the first year ≤0.55%



182 JY4MxxxH60(H) | Multi Busbar Monocrystalline Half Cell PV Module

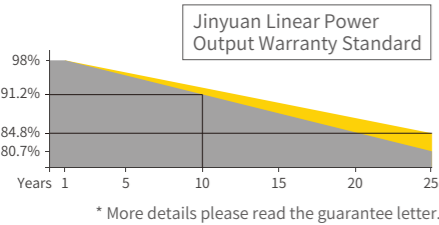
Power Output : 435W - 470W
Power Tolerance : 0W ~ +5W
Maximum Efficiency : 21.9%

Highlights

-  Assembled with multi-busbar cells , reduce shading effect on the energy generation, lower risk of hot spot
-  Pass the test for weather resistance in harsh environments (salt mist, ammonia corrosion and sand)
-  Excellent encapsulating materials and strict production process to ensure highly resistance against PID (Potential Induced Degradation) of PV module.
-  Lower oxygen and carbon content result in lower LID.
-  Series and parallel design, reduce the series resistance RS of module, reduce the loss of internal electrical performance, and improve the power generation capacity of whole system.
-  Cutting solar cell technology, which significantly reduces string current and module damage, it is a good choice for projects in high temperature areas.

Jinyuan Offers Long-term Quality Assurance

- 12 years Product Warranty
- 25 years Linear Power Output Warranty
- The attenuation of the power output in the first year ≤2%
The annual average attenuation after the first year ≤0.55%



Optional

- Connector ☐ Original MC4
- Cable length ☐ 1000mm ☐ 900mm
- Frame ☐ Black
- Solar Module Dimension ☐ 1890x1133x40mm
- Back sheet color ☐ Black ☐ Transparency

Packaging

- Number of modules per pallet 31 pcs
- 17.5*2.8m Flatbed loading 1054 pcs
- 13.0*2.35m Flatbed loading 806 pcs
- 40HQ Standard container 744 pcs

Electrical performance parameters | STC

Power Output	Pmax(W)	435	440	445	450	455	460	465	470
Rated Power Maximum Voltage	Vmp(V)	34.20	34.30	34.50	34.60	34.80	34.90	35.10	35.20
Rated Power Maximum Current	Imp(A)	12.73	12.82	12.91	13.00	13.08	13.17	13.26	13.35
Open Circuit Voltage	Voc(V)	40.60	40.70	40.90	41.00	41.20	41.30	41.50	41.60
Short Circuit Current	Isc(A)	13.36	13.44	13.53	13.61	13.69	13.78	13.86	13.95
Module Efficiency	(%)	20.3	20.5	20.8	21.0	21.2	21.5	21.7	21.9
Power Tolerance	(W)	0~+5W							

* STC : 1000W/m2 irradiance, 25°C module temperature, AM1.5 spectrum.
Power measurement error +/- 3%

Electrical performance parameters | NMOT

Power output	Pmax (W)	329.3	333.1	336.8	340.6	344.4	348.2	352.0	355.7
Rated Power Maximum Voltage	Vmp (V)	31.70	31.80	32.00	32.10	32.30	32.40	32.50	32.70
Rated Power Maximum Current	Imp (A)	10.38	10.46	10.53	10.60	10.67	10.75	10.82	10.89
Open Circuit Voltage	Voc (V)	38.30	38.50	38.60	38.70	38.90	39.00	39.20	39.30
Short Circuit Current	Isc (A)	10.70	10.76	10.83	10.90	10.97	11.03	11.10	11.17

* NMOT:800W/m2 irradiance, 20°C module temperature, 1m/s wind speed.
Power measurement error +/- 3%

Structure Features

Solar Cell	182MONO(Half Cell)
Solar Cell Array	120 pcs(6×20)
Module Dimension	1890×1133×35mm
Weight	22.5 kg
Glass	3.2 mm (0.13 inches) highly transparent anti-reflection coating tempered glass
Back sheet	White
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
Cable	4mm²、L=300 mm、PV cable
Diode Quantity	3
Wind Pressure/Snow Pressure	2400pa / 5400pa
Connector	MC4 Compatible

* More details please read the installation manual.

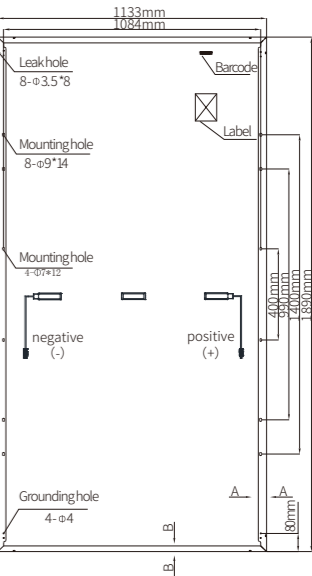
Temperature Characteristics

Solar Cells Rated Working Temperature	44±2°C
Temperature Coefficient (Isc)	+0.06%/°C
Temperature Coefficient (Voc)	-0.35%/°C
Temperature Coefficient (Pmax)	-0.38%/°C

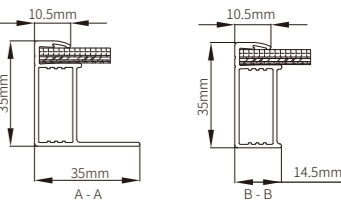
Maximum Ratings

Working Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Maximum Fuse Rated Current	25A

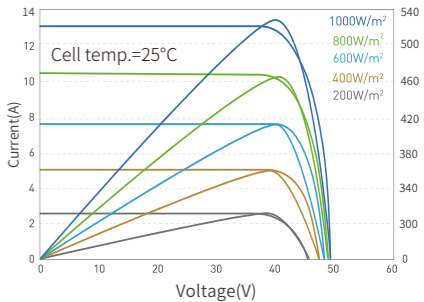
Module Dimension



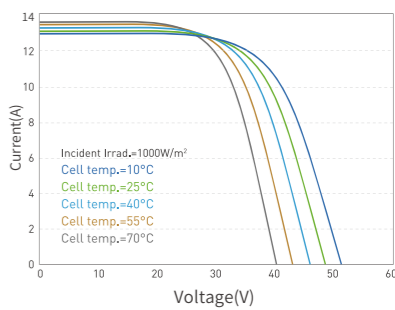
Back View



I-V curves/P-V curves of module under different irradiation(455w)



I-V curves of module under different temperature(455w)



182 JY4MxxxH66(H) | Multi Busbar Monocrystalline Half Cell PV Module

Power Output : 480W - 505W
Power Tolerance : 0W ~ +5W
Maximum Efficiency : 21.5%

Highlights

- Assembled with multi-busbar cells , reduce shading effect on the energy generation, lower risk of hot spot.
- Pass the test for weather resistance in harsh environments (salt mist, ammonia corrosion and sand).
- Excellent encapsulating materials and strict production process to ensure highly resistance against PID (Potential Induced Degradation) of PV module.
- Lower oxygen and carbon content result in lower LID.
- Series and parallel design, reduce the series resistance RS of module, reduce the loss of internal electrical performance, and improve the power generation capacity of whole system.
- Cutting solar cell technology, which significantly reduces string current and module damage, it is a good choice for projects in high temperature areas.



Optional

- Connector

☐ Original MC4
- Cable length

☐ 1000mm ☐ 900mm
- Frame

☐ Black
- Solar Module Dimension

☐ 2073x1133x40mm
- Back sheet color

☐ Black ☐ Transparency

Packaging

- Number of modules per pallet

31 pcs
- 17.5*2.8m Flatbed loading

992 pcs
- 13.0*2.35m Flatbed loading

744 pcs
- 40HQ Standard container

682 pcs

Electrical performance parameters | STC

Power Output	Pmax(W)	480	485	490	495	500	505
Rated Power Maximum Voltage	Vmp(V)	37.78	37.93	38.08	38.23	38.38	38.53
Rated Power Maximum Current	Imp(A)	12.71	12.79	12.87	12.95	13.03	13.11
Open Circuit Voltage	Voc(V)	44.95	45.10	45.25	45.40	45.55	45.70
Short Circuit Current	Isc(A)	13.59	13.67	13.74	13.82	13.90	13.97
Module Efficiency	(%)	20.4	20.6	20.9	21.1	21.3	21.5
Power Tolerance	(W)	0~+5W					

* STC : 1000W/m2 irradiance, 25°C module temperature, AM1.5 spectrum.
Power measurement error +/- 3%

Electrical performance parameters | NMOT

Power output	Pmax (W)	359	363	367	371	375	379
Rated Power Maximum Voltage	Vmp (V)	34.60	34.74	35.00	35.13	35.26	35.40
Rated Power Maximum Current	Imp (A)	10.37	10.44	10.49	10.55	10.63	10.70
Open Circuit Voltage	Voc (V)	41.36	41.49	42.22	42.35	42.57	42.71
Short Circuit Current	Isc (A)	11.14	11.20	11.26	11.33	11.40	11.46

* NMOT:800W/m2 irradiance, 20°C module temperature, 1m/s wind speed.
Power measurement error +/- 3%

Structure Features

Solar Cell	182MONO(Half Cell)
Solar Cell Array	132 pcs(6×22)
Module Dimension	2073×1133×35mm
Weight	25.1 kg
Glass	3.2 mm (0.13 inches) highly transparent anti-reflection coating tempered glass
Back sheet	White
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
Cable	4mm²、L=300 mm、PV cable
Diode Quantity	3
Wind Pressure/Snow Pressure	2400pa / 5400pa
Connector	MC4 Compatible

* More details please read the installation manual.

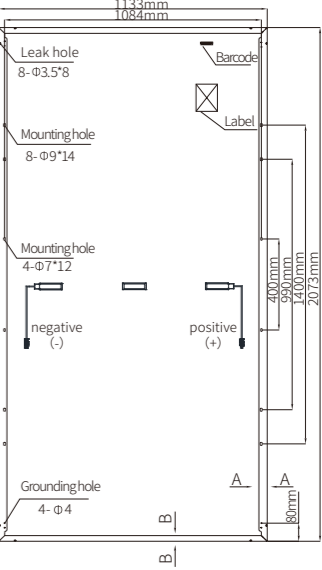
Temperature Characteristics

Solar Cells Rated Working Temperature	44±2°C
Temperature Coefficient (Isc)	+0.06%/°C
Temperature Coefficient (Voc)	-0.35%/°C
Temperature Coefficient (Pmax)	-0.38%/°C

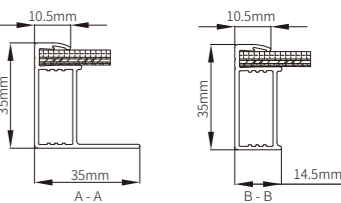
Maximum Ratings

Working Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Maximum Fuse Rated Current	25A

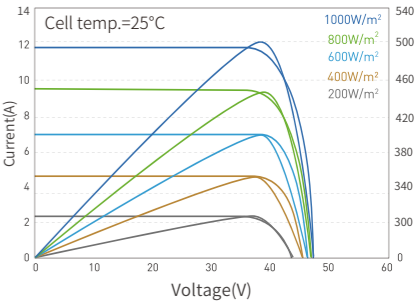
Module Dimension



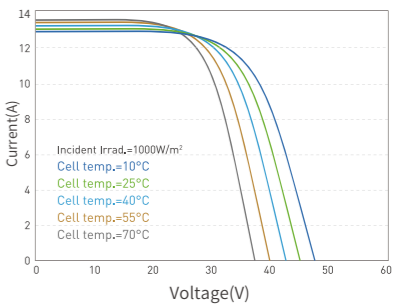
Back View



I-V curves/P-V curves of module under different irradiation(500w)

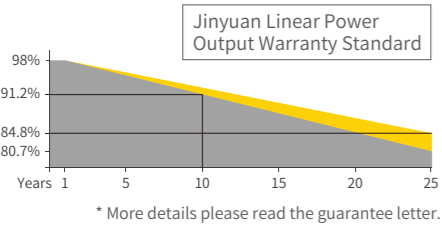


I-V curves of module under different temperature(500w)



Jinyuan Offers Long-term Quality Assurance

- 12 years Product Warranty
- 25 years Linear Power Output Warranty
- The attenuation of the power output in the first year ≤2%
The annual average attenuation after the first year ≤0.55%



* More details please read the guarantee letter.

182

JY4MxxxH66(DH)-DGB

Monocrystalline Bifacial Double Glass Half Cell PV Module

Power Output : 475W - 500W
Power Tolerance : 0W ~ +5W
Maximum Efficiency : 21.3%

Highlights

- Assembled with multi-busbar cells , reduce shading effect on the energy generation,lower risk of hot spot.
- Pass the test for weather resistance in harsh environments (salt mist, ammonia corrosion and sand).
- Process optimization of high efficiency PERC solar cell and strict control on raw materials to ensure highly resistance against PID of PV module.
- Better mechanical loading tolerance with the test front side 5400pa and back side 2400pa.
- Series and parallel design, reduce the series resistance RS of module, reduce the loss of internal electrical performance, and improve the power generation capacity of whole system.
- Additional safety Fire class A certified.



Optional

- Connector

☐ Original MC4
- Cable length

☐ 1000mm ☐ 900mm
- Frame

☐ Black
- Solar Module Dimension

☐ 2067x1127x6mm
- Back sheet color

☐ Glazed ☐ Transparency

Packaging

- Number of modules per pallet

31 pcs
- 17.5*2.8m Flatbed loading

992 pcs
- 13.0*2.35m Flatbed loading

744 pcs
- 40HQ Standard container

682 pcs

Electrical performance parameters | STC

Power Output	Pmax(W)	475	480	485	490	495	500
Rated Power Maximum Voltage	Vmp(V)	37.63	37.78	37.93	38.08	38.23	38.38
Rated Power Maximum Current	Imp(A)	12.63	12.71	12.79	12.87	12.95	13.03
Open Circuit Voltage	Voc(V)	44.80	44.95	45.10	45.25	45.40	45.55
Short Circuit Current	Isc(A)	13.51	13.59	13.67	13.74	13.82	13.90
Module Efficiency	(%)	20.2	20.4	20.6	20.9	21.1	21.3
Power Tolerance	(W)	0~+5W					

* STC : 1000W/m2 irradiance, 25°C module temperature, AM1.5 spectrum.
Power measurement error +/- 3%

Electrical performance parameters | NMOT

Power output	Pmax (W)	355	359	363	367	371	375
Rated Power Maximum Voltage	Vmp (V)	34.46	34.60	34.86	34.99	35.12	35.26
Rated Power Maximum Current	Imp (A)	10.30	10.37	10.42	10.48	10.56	10.63
Open Circuit Voltage	Voc (V)	41.22	41.35	42.08	42.21	42.43	42.57
Short Circuit Current	Isc (A)	11.07	11.13	11.20	11.26	11.33	11.40

* NMOT:800W/m2 irradiance, 20°C module temperature, 1m/s wind speed.
Power measurement error +/- 3%

Electrical characteristics with different rear side power gain (500W)

Double side power gain	Power output -Pmax(W)	Open Circuit Voltage - Voc(V)	Short Circuit Current - Isc(A)	Rated Power Maximum Voltage - Vmp(V)	Rated Power Maximum Current - Imp(A)
10%	550	45.55	15.30	38.38	14.33
15%	575	45.55	15.99	38.38	14.98
20%	600	45.55	16.68	38.38	15.64
25%	625	45.55	17.38	38.38	16.29

* Rear side power gain : The additional gain from the rear side compared to the power of the front side at the standard test condition. It depends on mounting (structure , height , tilt angle etc.) and albedo of the ground.
Power measurement error +/- 3%

Structure Features

Solar Cell	182MONO(Half Cell)
Solar Cell Array	132 pcs(6×22)
Module Dimension	2073×1133×35mm
Weight	31.1 kg
Glass	2.0 mm highly transparent anti-reflection coating tempered glass
Back sheet	2.0 mm highly transparent tempered glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
Cable	4mm², L=300 mm, PV cable
Diode Quantity	3
Wind Pressure	2400pa
Snow Pressure	5400pa
Connector	MC4 Compatible

* More details please read the installation manual.

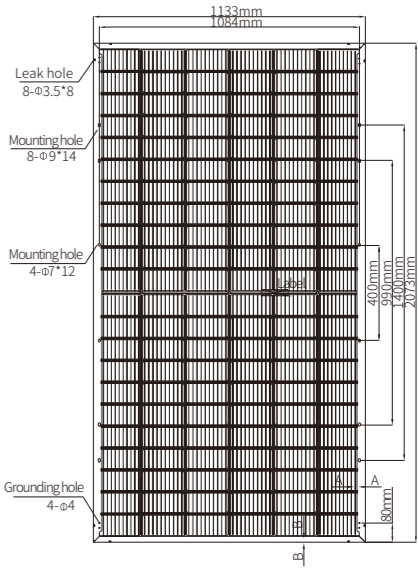
Temperature Characteristics

Solar Cells Rated Working Temperature	44±2°C
Temperature Coefficient (Isc)	+0.06%/°C
Temperature Coefficient (Voc)	-0.35%/°C
Temperature Coefficient (Pmax)	-0.38%/°C

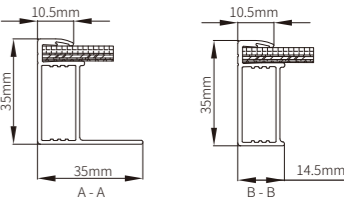
Maximum Ratings

Working Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Maximum Fuse Rated Current	30A

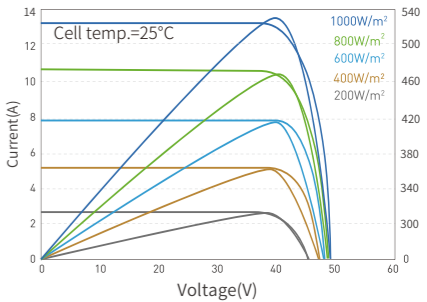
Module Dimension



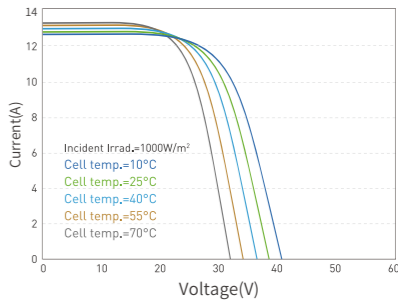
Back View



I-V curves/P-V curves of module under different irradiation(500w)

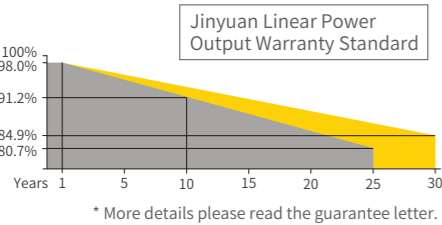


I-V curves of module under different temperature(500w)



Jinyuan Offers Long-term Quality Assurance

- 12 years Product Warranty
- 30 years Linear Power Output Warranty
- The attenuation of the power output in the first year ≤2%
The annual average attenuation after the first year ≤0.45%



* More details please read the guarantee letter.

182 JY4MxxxH72(H) | Multi Busbar Monocrystalline Half Cell PV Module

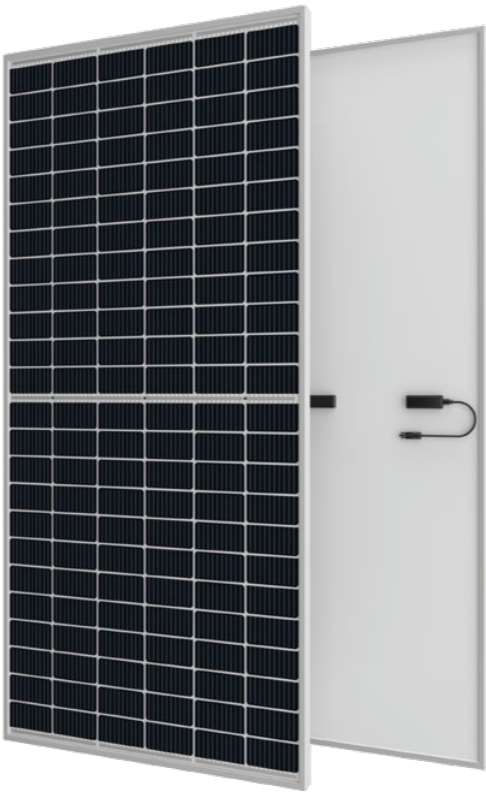
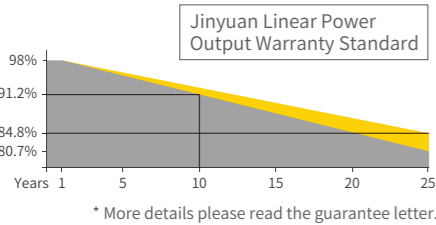
Power Output : 525W - 560W
Power Tolerance : 0W ~ +5W
Maximum Efficiency : 21.9%

Highlights

- Assembled with multi-busbar cells , reduce shading effect on the energy generation, lower risk of hot spot.
- Pass the test for weather resistance in harsh environments (salt mist, ammonia corrosion and sand).
- Excellent encapsulating materials and strict production process to ensure highly resistance against PID (Potential Induced Degradation) of PV module.
- Lower oxygen and carbon content result in lower LID.
- Series and parallel design, reduce the series resistance RS of module, reduce the loss of internal electrical performance, and improve the power generation capacity of whole system.
- Cutting solar cell technology, which significantly reduces string current and module damage, it is a good choice for projects in high temperature areas.

Jinyuan Offers Long-term Quality Assurance

- 12 years Product Warranty
- 25 years Linear Power Output Warranty
- The attenuation of the power output in the first year ≤2%
The annual average attenuation after the first year ≤0.55%



Optional

- Connector

☐ Original MC4
- Cable length

☐ 1000mm ☐ 900mm
- Frame

☐ Black
- Solar Module Dimension

☐ 2256x1133x40mm
- Back sheet color

☐ Black ☐ Transparency

Packaging

- Number of modules per pallet

31 pcs
- 17.5*2.8m Flatbed loading

930 pcs
- 13.0*2.35m Flatbed loading

682 pcs
- 40HQ Standard container

620 pcs

Electrical performance parameters | STC

Power Output	Pmax(W)	525	530	535	540	545	550	555	560
Rated Power Maximum Voltage	Vmp(V)	40.50	40.60	40.70	40.80	40.90	41.00	41.10	41.20
Rated Power Maximum Current	Imp(A)	12.98	13.07	13.17	13.27	13.36	13.45	13.54	13.63
Open Circuit Voltage	Voc(V)	49.20	49.30	49.40	49.50	49.60	49.70	49.80	49.90
Short Circuit Current	Isc(A)	13.62	13.71	13.79	13.85	13.94	14.03	14.12	14.21
Module Efficiency	(%)	20.5	20.7	20.9	21.1	21.3	21.5	21.7	21.9
Power Tolerance	(W)	0~+5W							

* STC : 1000W/m2 irradiance, 25°C module temperature, AM1.5 spectrum.
Power measurement error +/- 3%

Electrical performance parameters | NMOT

Power output	Pmax (W)	397.4	401.2	404.9	408.8	412.6	416.4	420.1	423.9
Rated Power Maximum Voltage	Vmp (V)	37.54	37.63	37.73	37.82	37.91	38.00	38.10	38.19
Rated Power Maximum Current	Imp (A)	10.57	10.65	10.74	10.81	10.89	10.96	11.04	11.11
Open Circuit Voltage	Voc (V)	46.44	46.54	46.63	46.73	46.82	46.92	47.01	47.11
Short Circuit Current	Isc (A)	10.90	10.97	11.03	11.08	11.15	11.22	11.30	11.37

* NMOT:800W/m2 irradiance, 20°C module temperature, 1m/s wind speed.
Power measurement error +/- 3%

Structure Features

Solar Cell	182MONO(Half Cell)
Solar Cell Array	144 pcs(6×24)
Module Dimension	2256×1133×35mm
Weight	27.5 kg
Glass	3.2 mm (0.13 inches) highly transparent anti-reflection coating tempered glass
Back sheet	White
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
Cable	4mm²、L=300 mm、PV cable
Diode Quantity	3
Wind Pressure/Snow Pressure	2400pa / 5400pa
Connector	MC4 Compatible

* More details please read the installation manual.

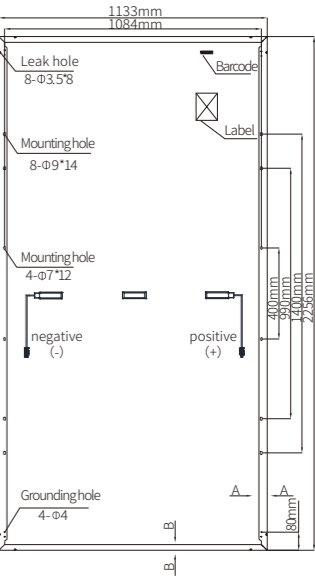
Temperature Characteristics

Solar Cells Rated Working Temperature	44±2°C
Temperature Coefficient (Isc)	+0.06%/°C
Temperature Coefficient (Voc)	-0.35%/°C
Temperature Coefficient (Pmax)	-0.38%/°C

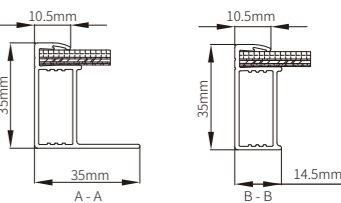
Maximum Ratings

Working Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Maximum Fuse Rated Current	25A

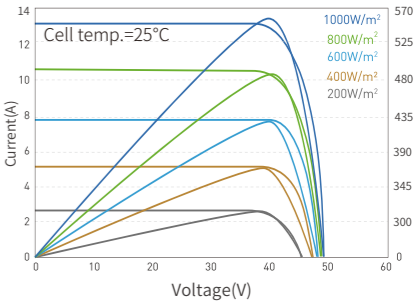
Module Dimension



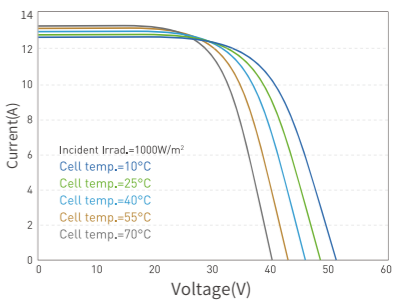
Back View



I-V curves/P-V curves of module under different irradiation(545w)



I-V curves of module under different temperature(545w)



182

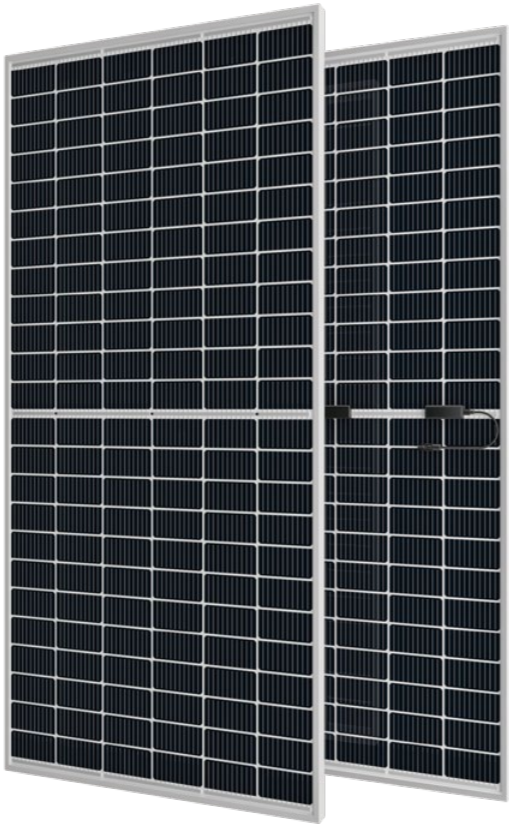
JY4MxxxH72(DH)-DGB

Monocrystalline Bifacial Double Glass Half Cell PV Module

Power Output : 520W - 555W
Power Tolerance : 0W ~ +5W
Maximum Efficiency : 21.7%

Highlights

- Assembled with multi-busbar cells , reduce shading effect on the energy generation,lower risk of hot spot.
- Pass the test for weather resistance in harsh environments (salt mist, ammonia corrosion and sand).
- Process optimization of high efficiency PERC solar cell and strict control on raw materials to ensure highly resistance against PID of PV module.
- Better mechanical loading tolerance with the test front side 5400pa and back side 2400pa.
- Series and parallel design, reduce the series resistance RS of module, reduce the loss of internal electrical performance, and improve the power generation capacity of whole system.
- Additional safety Fire class Acertified.



Optional

- Connector

☐ Original MC4
- Cable length

☐ 1000mm ☐ 900mm
- Frame

☐ Black
- Solar Module Dimension

☐ 2250x1127x6mm
- Glass type

☐ Glazed ☐ Transparency

Packaging

- Number of modules per pallet

31 pcs
- 17.5*2.8m

Flatbed loading

930 pcs
- 13.0*2.35m

Flatbed loading

682 pcs
- 40HQ

Standard container

620 pcs

Electrical performance parameters | STC

Power Output	Pmax(W)	520	525	530	535	540	545	550	555
Rated Power Maximum Voltage	Vmp(V)	40.60	40.80	40.90	41.00	41.10	41.30	41.50	41.70
Rated Power Maximum Current	Imp(A)	12.81	12.87	12.97	13.07	13.13	13.19	13.25	13.31
Open Circuit Voltage	Voc(V)	49.20	49.40	49.50	49.60	49.70	49.90	50.10	50.30
Short Circuit Current	Isc(A)	13.57	13.63	13.73	13.83	13.89	13.95	14.01	14.07
Module Efficiency	(%)	20.3	20.5	20.7	20.9	21.1	21.3	21.5	21.7
Power Tolerance	(W)	0~+5W							

* STC : 1000W/m2 irradiance, 25°C module temperature, AM1.5 spectrum.
Power measurement error +/- 3%

Electrical performance parameters | NMOT

Power output	Pmax (W)	393.1	396.9	400.7	404.5	408.2	412.0	415.8	419.6
Rated Power Maximum Voltage	Vmp (V)	37.64	37.82	37.91	38.01	38.10	38.29	38.47	38.66
Rated Power Maximum Current	Imp (A)	10.44	10.49	10.57	10.65	10.70	10.75	10.80	10.85
Open Circuit Voltage	Voc (V)	46.74	46.93	47.03	47.12	47.22	47.41	47.60	47.79
Short Circuit Current	Isc (A)	10.87	10.90	10.99	11.06	11.11	11.16	11.21	11.26

* NMOT:800W/m2 irradiance, 20°C module temperature, 1m/s wind speed.
Power measurement error +/- 3%

Electrical characteristics with different rear side power gain (545W)

Double side power gain	Power output -Pmax(W)	Open Circuit Voltage - Voc(V)	Short Circuit Current - Isc(A)	Rated Power Maximum Voltage - Vmp(V)	Rated Power Maximum Current - Imp(A)
10%	560	49.92	15.35	41.32	14.51
15%	627	49.92	16.04	41.32	15.17
20%	654	49.92	16.74	41.32	15.83
25%	681	49.92	17.44	41.32	16.49

* Rear side power gain : The additional gain from the rear side compared to the power of the front side at the standard test condition. It depends on mounting (structure , height , tilt angle etc.) and albedo of the ground.
Power measurement error +/- 3%

Structure Features

Solar Cell	182MONO(Half Cell)
Solar Cell Array	144 pcs(6×24)
Module Dimension	2256×1133×35mm
Weight	32.3 kg
Glass	2.0mm highly transparent anti-reflection coating tempered glass
Back sheet	2.0mm highly transparent tempered glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
Cable	4mm², L=300 mm、PV cable
Diode Quantity	3
Wind Pressure	2400pa
Snow Pressure	5400pa
Connector	MC4 Compatible

* More details please read the installation manual.

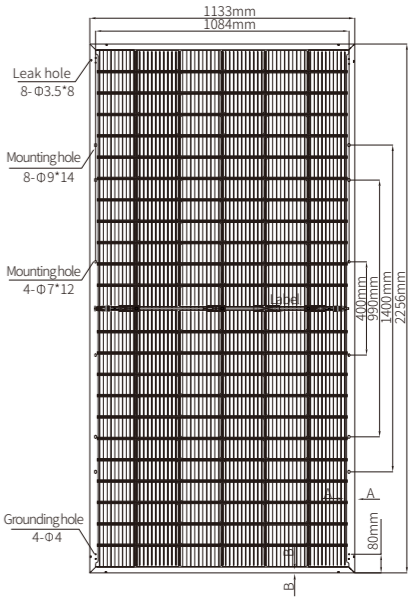
Temperature Characteristics

Solar Cells Rated Working Temperature	44±2°C
Temperature Coefficient (Isc)	+0.06%/°C
Temperature Coefficient (Voc)	-0.35%/°C
Temperature Coefficient (Pmax)	-0.38%/°C

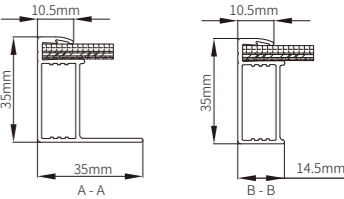
Maximum Ratings

Working Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Maximum Fuse Rated Current	30A

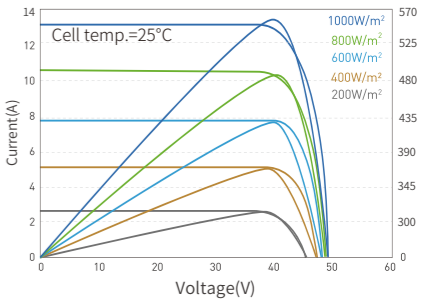
Module Dimension



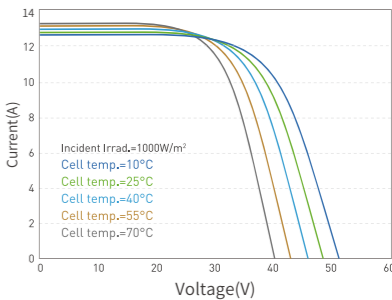
Back View



I-V curves/P-V curves of module under different irradiation(545w)

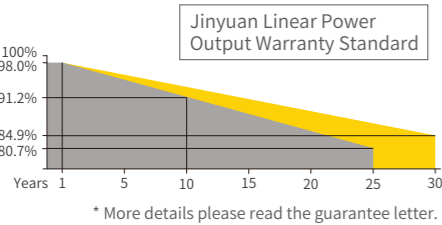


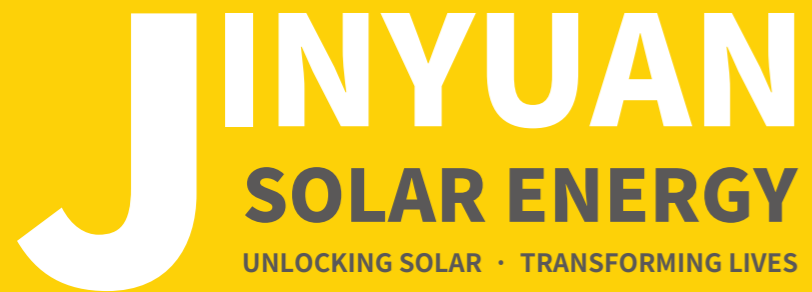
I-V curves of module under different temperature(545w)



Jinyuan Offers Long-term Quality Assurance

- 12 years Product Warranty
- 30 years Linear Power Output Warranty
- The attenuation of the power output in the first year ≤2%
The annual average attenuation after the first year ≤0.45%





PRODUCTION | INNOVATION | CUSTOMIZATION

166
SERIES

166

JY3MxxxH60(H)

Multi Busbar Monocrystalline
Half Cell PV Module

Power Output : 365W - 400W
Power Tolerance : 0W ~ +5W
Maximum Efficiency : 22.0%

Highlights

- Assembled with multi-busbar cells , reduce shading effect on the energy generation,lower risk of hot spot.
- Pass the test for weather resistance in harsh environments (salt mist, ammonia corrosion and sand).
- Process optimization of high efficiency PERC solar cell and strict control on raw materials to ensure highly resistance against PID of PV module.
- Better mechanical loading tolerance with the test front side 5400pa and back side 2400pa.
- Series and parallel design, reduce the series resistance RS of module, reduce the loss of internal electrical performance, and improve the power generation capacity of whole system.
- Cutting solar cell technology, which significantly reduces string current and module damage, it is good choice for projects in high temperature areas.



Optional

- Connector

☐ Original MC4
- Cable length

☐ 1000mm ☐ 900mm
- Frame

☐ Black
- Solar Module Dimension

☐ 1755x1038x40mm
- Back sheet color

☐ Black ☐ Transparency

Packaging

- Number of modules per pallet

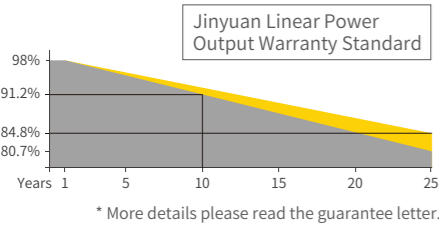
31 pcs
- 17.5*2.8m Flatbed loading

1116 pcs
- 13.0*2.35m Flatbed loading

868 pcs
- 20GP Standard container

186 pcs
- 40HQ Standard container

806 pcs



Electrical performance parameters | STC

Power Output	Pmax(W)	365	370	375	380	385	390	395	400
Rated Power Maximum Voltage	Vmp(V)	34.30	34.60	35.90	35.20	35.50	35.80	36.10	36.40
Rated Power Maximum Current	Imp(A)	10.65	10.70	10.75	10.80	10.85	10.90	10.95	11.01
Open Circuit Voltage	Voc(V)	40.40	40.60	40.80	41.00	41.20	41.40	41.60	41.80
Short Circuit Current	Isc(A)	11.16	11.26	11.35	11.45	11.49	11.54	11.59	11.64
Module Efficiency	(%)	20.0	20.3	20.6	20.9	21.1	21.4	21.7	22.0
Power Tolerance	(W)	0~+5W							

* STC : 1000W/m2 irradiance, 25°C module temperature, AM1.5 spectrum.
Power measurement error +/- 3%

Electrical performance parameters | NMOT

Power output	Pmax (W)	273.7	277.1	280.6	284.1	287.5	291.0	294.6	298.1
Rated Power Maximum Voltage	Vmp (V)	31.90	32.18	32.46	32.74	33.02	33.30	33.58	33.86
Rated Power Maximum Current	Imp (A)	8.58	8.61	8.64	8.68	8.71	8.74	8.77	8.80
Open Circuit Voltage	Voc (V)	38.40	38.64	38.88	39.12	39.36	39.60	39.84	40.08
Short Circuit Current	Isc (A)	9.12	9.15	9.18	9.21	9.24	9.29	9.32	9.35

* NMOT:800W/m2 irradiance, 20°C module temperature, 1m/s wind speed.
Power measurement error +/- 3%

Structure Features

Solar Cell	166MONO(Half Cell)
Solar Cell Array	120 pcs(6x20)
Module Dimension	1755×1038×35mm
Weight	20.0 kg
Glass	3.2 mm (0.13 inches) highly transparent anti-reflection coating tempered glass
Back sheet	White
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
Cable	4mm²、L=300 mm、PV cable
Diode Quantity	3
Wind Pressure/Snow Pressure	2400pa / 5400pa
Connector	MC4 Compatible

* More details please read the installation manual.

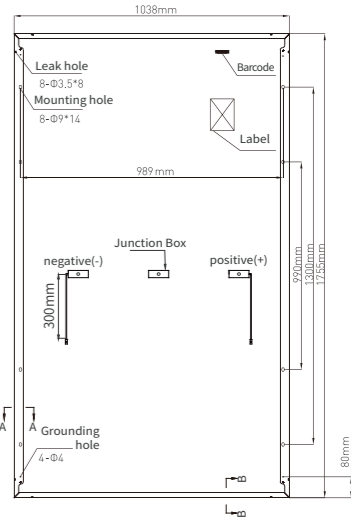
Temperature Characteristics

Solar Cells Rated Working Temperature	44±2°C
Temperature Coefficient (Isc)	+0.06%/°C
Temperature Coefficient (Voc)	-0.35%/°C
Temperature Coefficient (Pmax)	-0.38%/°C

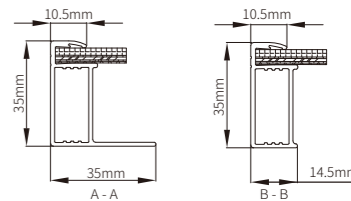
Maximum Ratings

Working Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Maximum Fuse Rated Current	20A

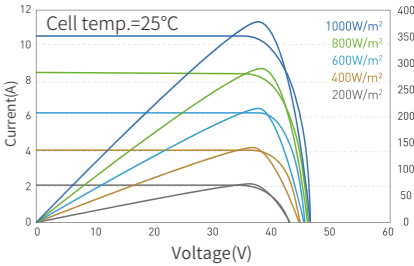
Module Dimension



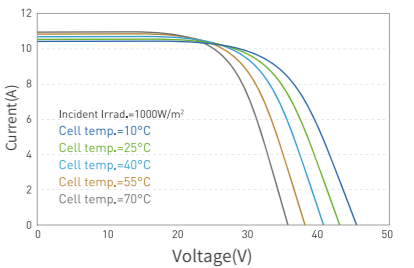
Back View



I-V curves/P-V curves of module under different irradiation(380w)



I-V curves of module under different temperature(380w)



166 JY3MxxxH60(DH)-DGB

Monocrystalline Bifacial Double Glass Half Cell PV Module

Power Output : 365W - 380W
Power Tolerance : 0W ~ +5W
Maximum Efficiency : 20.4%

Highlights

- Assembled with multi-busbar cells , reduce shading effect on the energy generation,lower risk of hot spot.
- Pass the test for weather resistance in harsh environments (salt mist, ammonia corrosion and sand).
- Process optimization of high efficiency PERC solar cell and strict control on raw materials to ensure highly resistance against PID of PV module.
- Better mechanical loading tolerance with the test front side 5400pa and back side 2400pa.
- Series and parallel design, reduce the series resistance RS of module, reduce the loss of internal electrical performance, and improve the power generation capacity of whole system.
- Additional safety Fire class Acertified



Optional

- Connector

☐ Original MC4
- Cable length

☐ 1000mm ☐ 900mm
- Frame

☐ Black
- Solar Module Dimension

☐ 1750x1033x6mm
- Glass type

☐ Glazed ☐ Transparency

Packaging

- Number of modules per pallet

36 pcs
- 17.5*2.8m Flatbed loading

1296 pcs
- 13.0*2.35m Flatbed loading

1008 pcs
- 20GP Standard container

216 pcs
- 40HQ Standard container

936 pcs

Electrical performance parameters | STC

Power Output	Pmax(W)	365	370	375	380
Rated Power Maximum Voltage	Vmp(V)	33.74	33.98	34.25	34.52
Rated Power Maximum Current	Imp(A)	10.82	10.89	10.95	11.01
Open Circuit Voltage	Voc(V)	41.05	41.21	41.37	41.52
Short Circuit Current	Isc(A)	11.35	11.41	11.47	11.53
Module Efficiency	(%)	19.6	19.8	20.1	20.4
Power Tolerance	(W)	0~+5W			

* STC : 1000W/m2 irradiance, 25°C module temperature, AM1.5 spectrum.
Power measurement error +/- 3%

Electrical performance parameters | NMOT

Power output	Pmax (W)	273	277	281	286
Rated Power Maximum Voltage	Vmp (V)	30.90	31.23	31.47	31.76
Rated Power Maximum Current	Imp (A)	8.83	8.87	8.93	8.99
Open Circuit Voltage	Voc (V)	37.77	38.45	38.67	38.79
Short Circuit Current	Isc (A)	9.30	9.35	9.41	9.47

* NMOT:800W/m2 irradiance, 20°C module temperature, 1m/s wind speed.
Power measurement error +/- 3%

Electrical characteristics with different rear side power gain (380W)

Double side power gain	Power output -Pmax(W)	Open Circuit Voltage - Voc(V)	Short Circuit Current - Isc(A)	Rated Power Maximum Voltage -Vmp(V)	Rated Power Maximum Current -Imp(A)
10%	402	41.05	12.49	33.74	11.90
15%	420	41.05	13.05	33.74	12.44
20%	438	41.05	13.62	33.74	12.98
25%	456	41.05	14.19	33.74	13.53

* Rear side power gain : The additional gain from the rear side compared to the power of the front side at the standard test condition. It depends on mounting (structure , height , tilt angle etc.) and albedo of the ground.
Power measurement error +/- 3%

Structure Features

Solar Cell	166MONO(Half Cell)
Solar Cell Array	120 pcs(6×20)
Module Dimension	1755×1038×30mm
Weight	24.0 kg
Glass	2.0 mm highly transparent anti-reflection coating tempered glass
Back sheet	2.0 mm highly transparent tempered glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
Cable	4mm ² 、L=300 mm、PV cable
Diode Quantity	3
Wind Pressure	2400pa
Snow Pressure	5400pa
Connector	MC4 Compatible

* More details please read the installation manual.

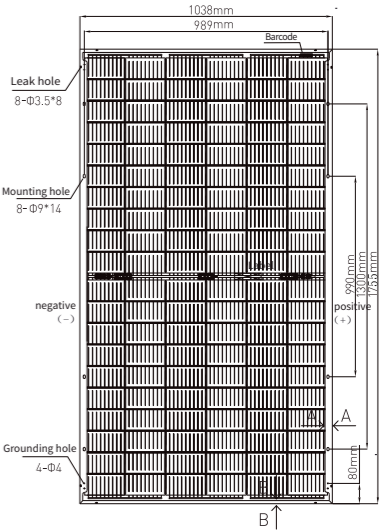
Temperature Characteristics

Solar Cells Rated Working Temperature	44±2°C
Temperature Coefficient (Isc)	+0.06%/°C
Temperature Coefficient (Voc)	-0.35%/°C
Temperature Coefficient (Pmax)	-0.38%/°C

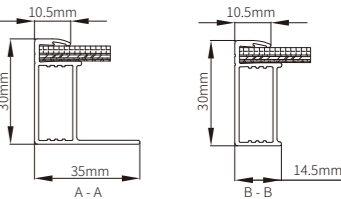
Maximum Ratings

Working Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Maximum Fuse Rated Current	25A

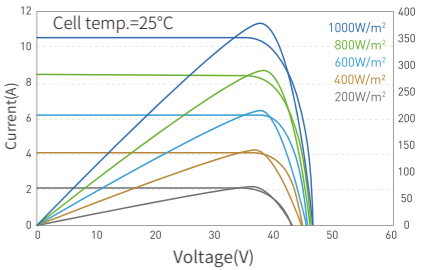
Module Dimension



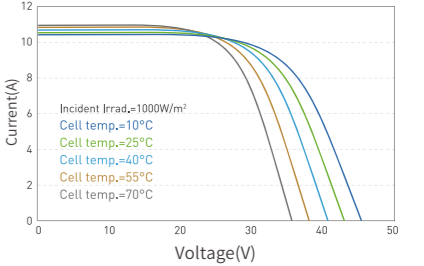
Back View



I-V curves/P-V curves of module under different irradiation(380w)

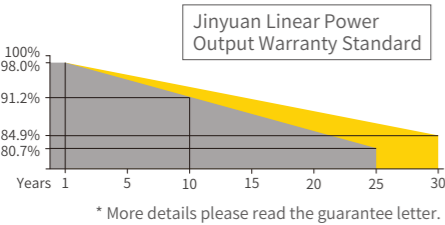


I-V curves of module under different temperature(380w)



Jinyuan Offers Long-term Quality Assurance

- 12 years Product Warranty
- 30 years Linear Power Output Warranty
- The attenuation of the power output in the first year ≤2%
The annual average attenuation after the first year ≤0.45%



* More details please read the guarantee letter.

166 JY3MxxxH72(H) | Multi Busbar Monocrystalline Half Cell PV Module

Power Output : 440W - 475W

Power Tolerance : 0W ~ +5W

Maximum Efficiency : 21.9%

Highlights



Assembled with multi-busbar cells , reduce shading effect on the energy generation, lower risk of hot spot.



Pass the test for weather resistance in harsh environments (salt mist, ammonia corrosion and sand).



Process optimization of high efficiency PERC solar cell and strict control on raw materials to ensure highly resistance against PID of PV module.



Better mechanical loading tolerance with the test front side 5400pa and back side 2400pa.



Series and parallel design, reduce the series resistance R_S of module, reduce the loss of internal electrical performance, and improve the power generation capacity of whole system.



Cutting solar cell technology, which significantly reduces string current and module damage, is a good choice for projects in high temperature areas.



Optional

- Connector ☐ Original MC4
- Cable length ☐ 1000mm ☐ 900mm
- Frame ☐ Black
- Solar Module Dimension ☐ 2094x1038x40mm
- Back sheet color ☐ Black ☐ Transparency

Packaging

- | | | |
|---|------------------------------|---------|
| ■ | Number of modules per pallet | 31 pcs |
| ■ | 17.5*2.8m Flatbed loading | 992 pcs |
| ■ | 13.0*2.35m Flatbed loading | 744 pcs |
| ■ | 20GP Standard container | 155 pcs |
| ■ | 40HQ Standard container | 682 pcs |

- Electrical performance parameters | STC

Power Output	Pmax(W)	440	445	450	455	460	465	470	475
Rated Power Maximum Voltage	Vmp(V)	41.50	41.70	42.00	42.20	42.40	42.60	42.80	43.00
Rated Power Maximum Current	I _{mp} (A)	10.61	10.68	10.73	10.79	10.85	10.91	10.97	11.03
Open Circuit Voltage	Voc(V)	49.00	49.20	49.40	49.60	49.80	50.00	50.20	50.40
Short Circuit Current	Isc(A)	11.27	11.32	11.37	11.42	11.47	11.52	11.57	11.62
Module Efficiency	(%)	20.2	20.5	20.7	20.9	21.2	21.4	21.6	21.8
Power Tolerance	(W)	0~+5W							

* STC : 1000W/m² irradiance, 25°C module temperature, AM1.5 spectrum.
Power measurement error +/- 3%

- Electrical performance parameters | NMOT

Power output	P _{max} (W)	321.0	324.8	328.6	332.4	336.2	340.0	343.9	347.7
Rated Power Maximum Voltage	V _{mp} (V)	37.84	38.13	38.42	38.71	39.00	39.29	39.58	39.87
Rated Power Maximum Current	I _{mp} (A)	8.48	8.52	8.55	8.59	8.62	8.65	8.69	8.72
Open Circuit Voltage	V _{oc} (V)	45.56	45.82	46.08	46.34	46.60	46.80	47.12	47.33
Short Circuit Current	I _{sc} (A)	9.12	9.14	9.17	9.19	9.22	9.25	9.27	9.30

* NMOT:800W/m² irradiance, 20°C module temperature, 1m/s wind speed.
Power measurement error +/- 3%

- Structure Features

Solar Cell	166MONO(Half Cell)
Solar Cell Array	144 pcs(6×24)
Module Dimension	2094×1038×35mm
Weight	23.3 kg
Glass	3.2 mm (0.13 inches) highly transparent anti-reflection coating tempered glass
Back sheet	White
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
Cable	4mm ² 、L=300 mm、PV cable
Diode Quantity	3
Wind Pressure/Snow Pressure	2400pa / 5400pa
Connector	MC4 Compatible

* More details please read the installation manual.

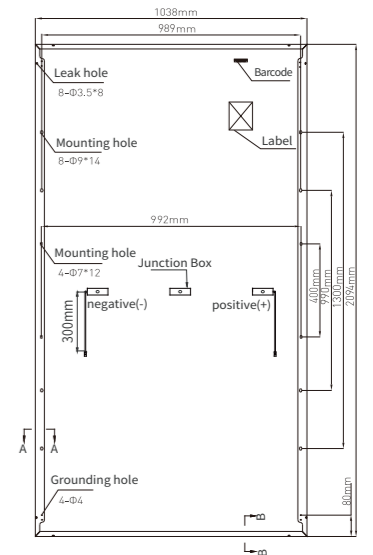
- Temperature Characteristics

Solar Cells Rated Working Temperature	44 ± 2 °C
Temperature Coefficient (Isc)	+0.06%/°C
Temperature Coefficient (Voc)	-0.35%/°C
Temperature Coefficient (Pmax)	-0.38%/°C

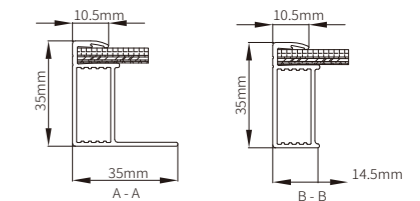
- Maximum Ratings

Working Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Maximum Fuse Rated Current	20A

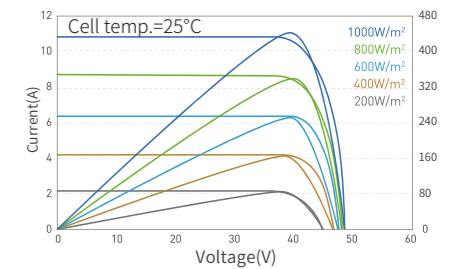
Module Dimension



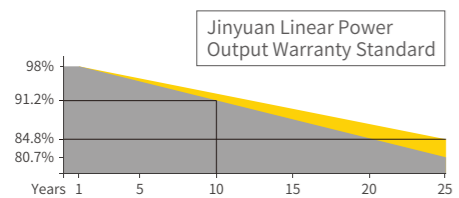
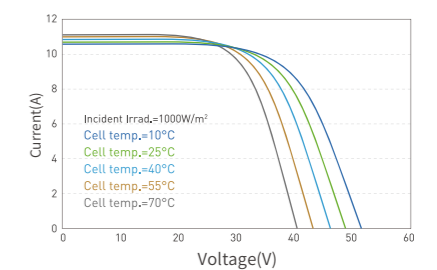
Back View



I-V curves/P-V curves of module under different irradiation(465w)



I-V curves of module under different temperature(465w)



* More details please read the guarantee letter.

166

JY3MxxxH72(DH)-DGB

Monocrystalline Bifacial Double Glass Half Cell PV Module

Power Output : 440W - 475W
Power Tolerance : 0W ~ +5W
Maximum Efficiency : 21.9%

Highlights

- Assembled with multi-busbar cells , reduce shading effect on the energy generation,lower risk of hot spot.
- Pass the test for weather resistance in harsh environments (salt mist, ammonia corrosion and sand).
- Process optimization of high efficiency PERC solar cell and strict control on raw materials to ensure highly resistance against PID of PV module.
- Better mechanical loading tolerance with the test front side 5400pa and back side 2400pa.
- Series and parallel design, reduce the series resistance RS of module, reduce the loss of internal electrical performance, and improve the power generation capacity of whole system.
- Additional safety Fire class Acertified



Optional

- Connector

☐ Original MC4
- Cable length

☐ 1000mm ☐ 900mm
- Frame

☐ Black
- Solar Module Dimension

☐ 2088x1032x6mm
- Glass type

☐ Glazed ☐ Transparency

Packaging

- Number of modules per pallet

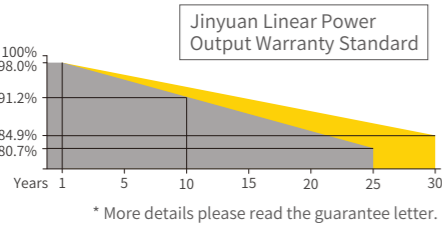
36 pcs
- 17.5*2.8m Flatbed loading

1152 pcs
- 13.0*2.35m Flatbed loading

792 pcs
- 20GP Standard container

180 pcs
- 40HQ Standard container

792 pcs



Electrical performance parameters | STC

Power Output	Pmax(W)	440	445	450	455	460	465	470	475
Rated Power Maximum Voltage	Vmp(V)	41.10	41.20	41.30	41.40	41.50	41.60	41.70	41.80
Rated Power Maximum Current	Imp(A)	10.70	10.80	10.90	11.00	11.10	11.18	11.27	11.36
Open Circuit Voltage	Voc(V)	49.50	49.60	49.70	49.80	49.90	50.00	50.10	50.20
Short Circuit Current	Isc(A)	11.30	11.40	11.50	11.60	11.70	11.80	11.90	12.00
Module Efficiency	(%)	20.2	20.5	20.7	20.9	21.2	21.4	21.6	21.9
Power Tolerance	(W)	0~+5W							

* STC : 1000W/m2 irradiance, 25°C module temperature, AM1.5 spectrum.
Power measurement error +/- 3%

Electrical performance parameters | NMOT

Power output	Pmax (W)	328.3	332.0	335.8	339.6	343.3	347.1	350.9	354.8
Rated Power Maximum Voltage	Vmp (V)	38.40	38.70	39.00	39.30	39.60	39.90	40.20	40.50
Rated Power Maximum Current	Imp (A)	8.55	8.58	8.61	8.64	8.67	8.70	8.73	8.76
Open Circuit Voltage	Voc (V)	45.30	45.60	45.90	46.20	46.50	46.80	47.10	47.40
Short Circuit Current	Isc (A)	9.04	9.07	9.10	9.13	9.16	9.19	9.22	9.25

* NMOT:800W/m2 irradiance, 20°C module temperature, 1m/s wind speed.
Power measurement error +/- 3%

Electrical characteristics with different rear side power gain (450W)

Double side power gain	Power output -Pmax(W)	Open Circuit Voltage - Voc(V)	Short Circuit Current - Isc(A)	Rated Power Maximum Voltage - Vmp(V)	Rated Power Maximum Current - Imp(A)
10%	495	49.70	12.65	41.30	11.99
15%	518	49.70	13.23	41.30	12.54
20%	540	49.70	13.80	41.30	13.08
25%	563	49.70	14.38	41.30	13.63

* Rear side power gain : The additional gain from the rear side compared to the power of the front side at the standard test condition. It depends on mounting (structure , height , tilt angle etc.) and albedo of the ground.
Power measurement error +/- 3%

Structure Features

Solar Cell	166MONO(Half Cell)
Solar Cell Array	144pCs(6×24)
Module Dimension	2094X1038X30mm
Weight	26.7kg
Glass	2.0 mm highly transparent anti-reflection coating tempered glass
Back sheet	2.0 mm highly transparenttempered glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
Cable	4mm3、L=300mm、 PV cable
Diode Quantity	3
Wind Pressure	2400pa
Snow Pressure	5400pa
Connector	MC4 Compatible

* More details please read the installation manual.

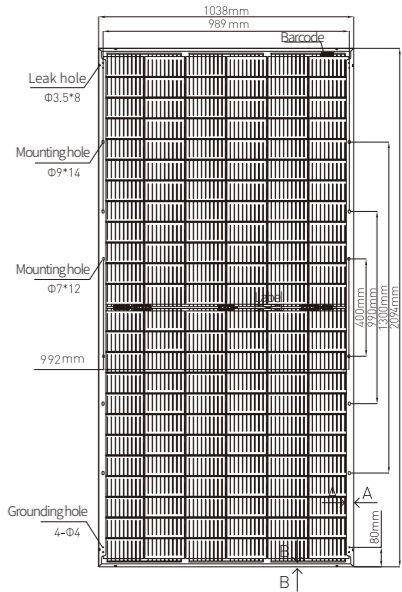
Temperature Characteristics

Solar Cells Rated Working Temperature	44±2°C
Temperature Coefficient (Isc)	+0.06%/°C
Temperature Coefficient (Voc)	-0.35%/°C
Temperature Coefficient (Pmax)	-0.38%/°C

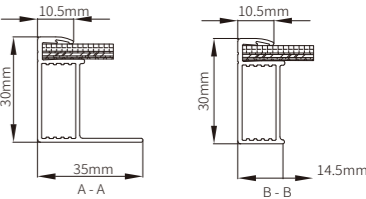
Maximum Ratings

Working Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Maximum Fuse Rated Current	25A

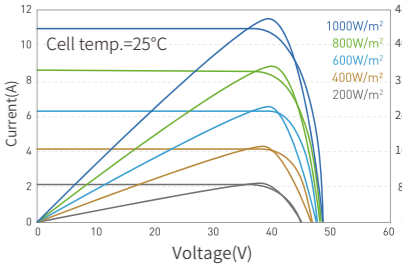
Module Dimension



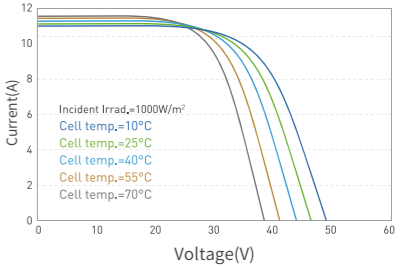
Back View

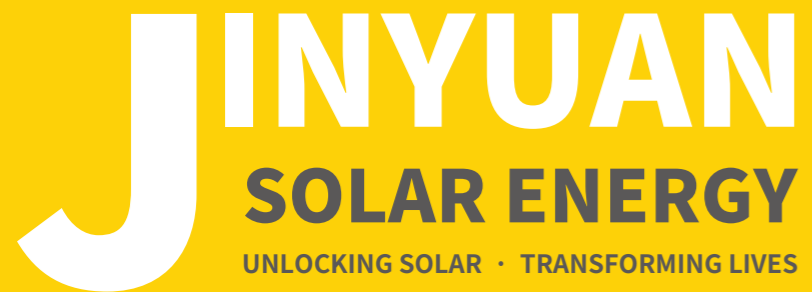


I-V curves/P-V curves of module under different irradiation(450w)



I-V curves of module under different temperature(450w)






PRODUCTION | INNOVATION | CUSTOMIZATION

158.75
SERIES

158.75 JY60M | Monocrystalline PV Module

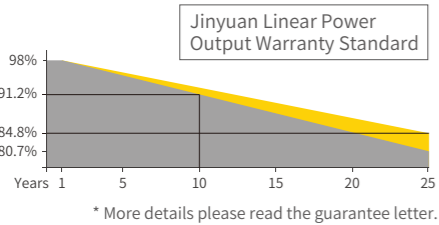
Power Output : 310W - 330W
Power Tolerance : 0W ~ +5W
Maximum Efficiency : 19.8%

Highlights

-  Superior silicon cells, High efficiency solar panel, Most cost-effective and ideal option for power station.
-  Excellent encapsulating materials and strict production process to ensure highly resistance against PID (Potential Induced Degradation) of PV module.
-  High transparent self-clean tempered glass to increase the light adoption and effectively reduce the power loss which is caused by dust.
-  Pass the test for weather resistance in harsh environments (salt mist, ammonia corrosion and sand).
-  Reinforced frame with more remarkable loading capacity.
-  1500V highest affordable system voltage to effectively reduce the BOS cost.

Jinyuan Offers Long-term Quality Assurance

- 12 years Product Warranty
- 25 years Linear Power Output Warranty
- The attenuation of the power output in the first year ≤2%
The annual average attenuation after the first year ≤0.55%



Optional

- Connector
 - ☐ Original MC4
- Cable length
 - ☐ 1000mm
 - ☐ 900mm
- Frame
 - ☐ Black
- Solar Module Dimension
 - ☐ 1666x1002x40mm
- Back sheet color
 - ☐ Black
 - ☐ Transparency

Packaging

- Number of modules per pallet31 pcs
- Standard container - 20GP372 pcs
- Standard container - 40HQ868 pcs

Electrical performance parameters | STC

Power Output	Pmax(W)	310	315	320	325	330
Rated Power Maximum Voltage	Vmp(V)	32.80	33.00	33.20	33.41	33.61
Rated Power Maximum Current	Imp(A)	9.46	9.55	9.64	9.73	9.82
Open Circuit Voltage	Voc(V)	39.90	40.10	40.30	40.50	40.70
Short Circuit Current	Isc(A)	9.96	10.04	10.12	10.20	10.28
Module Efficiency	(%)	18.6	18.9	19.2	19.5	19.8
Power Tolerance	(W)	0~+5W				

* STC : 1000W/m2 irradiance, 25°C module temperature, AM1.5 spectrum.
Power measurement error +/- 3%

Electrical performance parameters | NMOT

Power output	Pmax (W)	230.43	233.78	237.47	240.87	244.61
Rated Power Maximum Voltage	Vmp (V)	30.40	30.60	30.80	31.00	31.20
Rated Power Maximum Current	Imp (A)	7.58	7.64	7.71	7.77	7.84
Open Circuit Voltage	Voc (V)	37.00	37.20	37.40	37.50	37.70
Short Circuit Current	Isc (A)	8.05	8.12	8.18	8.25	8.32

* NMOT:800W/m2 irradiance, 20°C module temperature, 1m/s wind speed.
Power measurement error +/- 3%

Structure Features

Solar Cell	MONO
Solar Cell Array	60 pcs
Module Dimension	1666×1002×35mm
Weight	18.5 kg
Glass	3.2 mm (0.13 inches) highly transparent anti-reflection coating tempered glass
Back sheet	White
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
Cable	4mm²、L=900 mm、PV cable
Diode Quantity	3
Wind Pressure/Snow Pressure	2400pa / 5400pa
Connector	MC4 Compatible

* More details please read the installation manual.

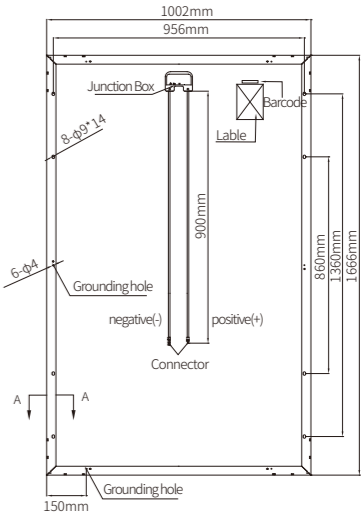
Temperature Characteristics

Solar Cells Rated Working Temperature	44±2°C
Temperature Coefficient (Isc)	+0.057%/°C
Temperature Coefficient (Voc)	-0.31%/°C
Temperature Coefficient (Pmax)	-0.39%/°C

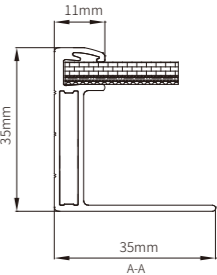
Maximum Ratings

Working Temperature	-40~+85°C
Maximum System Voltage	1000V DC
	1500V DC
Maximum Fuse Rated Current	15A

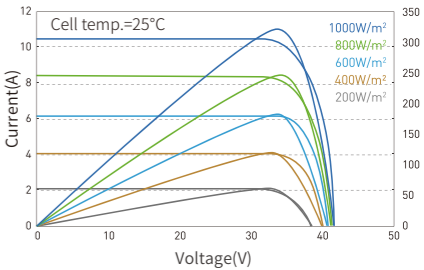
Module Dimension



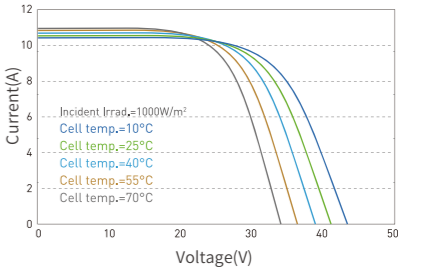
Back View



I-V curves/P-V curves of module under different irradiation(320w)



I-V curves of module under different temperature(320w)



158.75 JY60M-H | Monocrystalline
Half Cell-cut PV Module

Power Output : 325W - 340W

Power Tolerance : 0W ~ +5W

Maximum Efficiency : 20.2%

Highlights



Superior silicon cells, High efficiency solar panel, Most cost-effective and ideal option for power station.



Pass the test for weather resistance in harsh environments (salt mist, ammonia corrosion and sand).



Excellent encapsulating materials and strict production process to ensure highly resistance against PID (Potential Induced Degradation) of PV module.



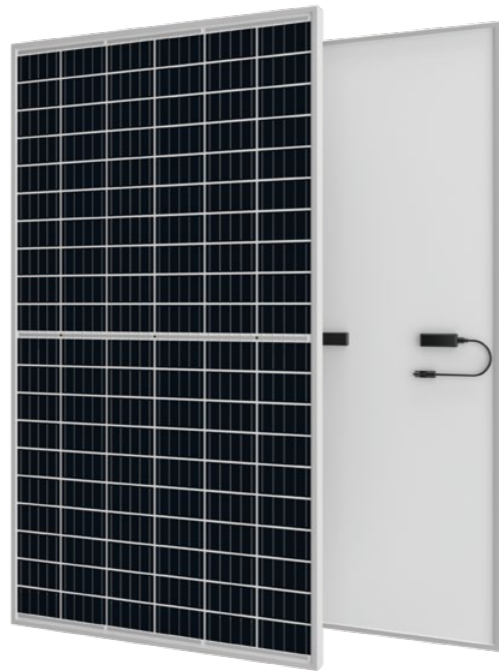
Lower oxygen and carbon content result in lower LID.



Series and parallel design, reduce the series resistance R_S of module, reduce the loss of internal electrical performance, and improve the power generation capacity of whole system.



Cutting solar cell technology, which significantly reduces string current and module damage, it is good choice for projects in high temperate areas.

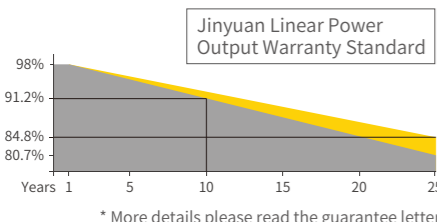


Optional

- Connector ☐ Original MC4
- Cable length ☐ 1000mm ☐ 900mm
- Frame ☐ Black
- Solar Module Dimension ☐ 1686x1000x40mm
- Back sheet color ☐ Black ☐ Transparency

Packaging

- Number of modules per pallet 31 pcs
- Standard container - 20GP 372 pcs
- Standard container - 40HQ 868 pcs



- Electrical performance parameters | STC

Power Output	Pmax(W)	325	330	335	340
Rated Power Maximum Voltage	Vmp(V)	33.44	33.80	34.16	34.52
Rated Power Maximum Current	Imp(A)	9.72	9.76	9.81	9.86
Open Circuit Voltage	Voc(V)	40.15	40.44	40.71	40.98
Short Circuit Current	Isc(A)	10.16	10.20	10.24	10.28
Module Efficiency	(%)	19.3	19.6	19.9	20.2
Power Tolerance	(W)	0~+5W			

* STC : 1000W/m² irradiance, 25°C module temperature, AM1.5 spectrum.
Power measurement error +/- 3%

- Electrical performance parameters | NMOT

Power output	Pmax (W)	242.58	245.85	249.92	253.99
Rated Power Maximum Voltage	Vmp (V)	31.30	31.60	32.00	32.40
Rated Power Maximum Current	Imp (A)	7.75	7.78	7.81	7.84
Open Circuit Voltage	Voc (V)	37.30	37.60	37.80	38.00
Short Circuit Current	Isc (A)	8.22	8.25	8.28	8.31

* NMOT:800W/m² irradiance, 20°C module temperature, 1m/s wind speed.
Power measurement error +/- 3%

- Structure Features

Solar Cell	MONO
Solar Cell Array	120 pcs(6×20)
Module Dimension	1686×1000×35mm
Weight	18.7 kg
Glass	3.2 mm (0.13 inches) highly transparent anti-reflection coating tempered glass
Back sheet	White
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
Cable	4mm ² 、L=300 mm、PV cable
Diode Quantity	3
Wind Pressure/Snow Pressure	2400pa / 5400pa
Connector	MC4 Compatible

* More details please read the installation manual.

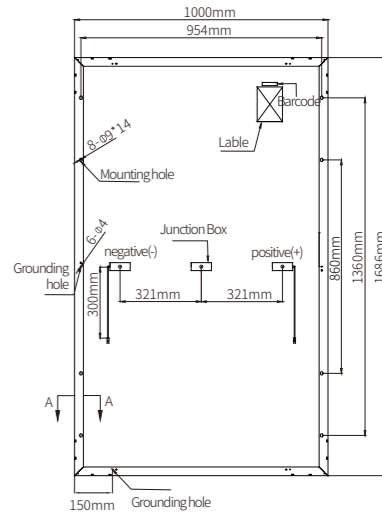
- Temperature Characteristics

Solar Cells Rated Working Temperature	44±2°C
Temperature Coefficient (Isc)	+0.057%/°C
Temperature Coefficient (Voc)	-0.31%/°C
Temperature Coefficient (Pmax)	-0.39%/°C

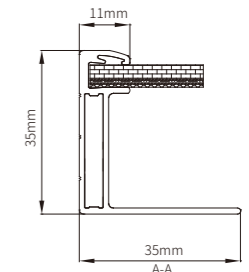
- Maximum Ratings

Working Temperature	-40~+85℃
Maximum System Voltage	1000V DC
	1500V DC
Maximum Fuse Rated Current	15A

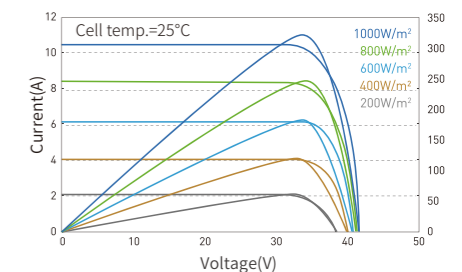
Module Dimension



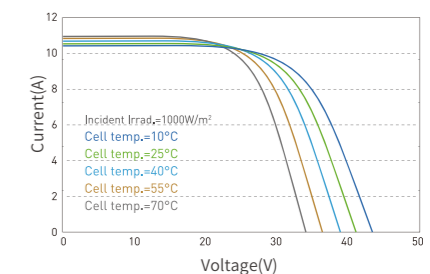
Back View



I-V curves/P-V curves of module under different irradiation(320w)




I-V curves of module under different temperature(320w)



158.75 JY60P | Polycrystalline PV Module

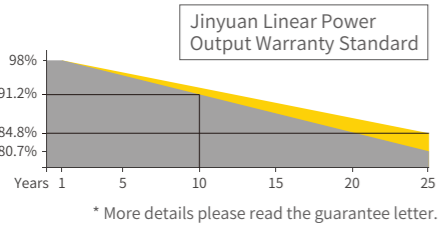
Power Output : 275W - 290W
Power Tolerance : 0W ~ +5W
Maximum Efficiency : 17.8%

Highlights

-  Superior silicon cells, High efficiency solar panel, Most cost-effective and ideal option for power station.
-  Excellent encapsulating materials and strict production process to ensure highly resistance against PID (Potential Induced Degradation) of PV module.
-  High transparent self-clean tempered glass to increase the light adoption and effectively reduce the power loss which is caused by dust.
-  Pass the test for weather resistance in harsh environments (salt mist, ammonia corrosion and sand).
-  Reinforced frame with more remarkable loading capacity.
-  1500V highest affordable system voltage to effectively reduce the BOS cost.

Jinyuan Offers Long-term Quality Assurance

- 12 years Product Warranty
- 25 years Linear Power Output Warranty
- The attenuation of the power output in the first year ≤2%
The annual average attenuation after the first year ≤0.55%



Optional

- Connector
 - ☐ Original MC4
- Cable length
 - ☐ 1000mm
 - ☐ 900mm
- Frame
 - ☐ Black
- Solar Module Dimension
 - ☐ 1666x1002x40mm
- Back sheet color
 - ☐ Black
 - ☐ Transparency

Packaging

- Number of modules per pallet31 pcs
- Standard container - 20GP372 pcs
- Standard container - 40HQ868 pcs

Electrical performance parameters | STC

Power Output	Pmax(W)	275	280	285	290
Rated Power Maximum Voltage	Vmp(V)	32.0	32.3	32.5	32.8
Rated Power Maximum Current	Imp(A)	8.61	8.71	8.79	8.85
Open Circuit Voltage	Voc(V)	39.1	39.4	39.6	39.9
Short Circuit Current	Isc(A)	9.15	9.26	9.31	9.45
Module Efficiency	(%)	16.9	17.2	17.5	17.8
Power Tolerance	(W)	0~+5W			

* STC : 1000W/m2 irradiance, 25°C module temperature, AM1.5 spectrum.
Power measurement error +/- 3%

Electrical performance parameters | NMOT

Power output	Pmax (W)	204.45	207.90	211.39	215.92
Rated Power Maximum Voltage	Vmp (V)	29.00	29.20	29.40	29.70
Rated Power Maximum Current	Imp (A)	7.05	7.12	7.19	7.27
Open Circuit Voltage	Voc (V)	35.80	36.00	36.10	36.90
Short Circuit Current	Isc (A)	7.57	7.64	7.70	7.83

* NMOT:800W/m2 irradiance, 20°C module temperature, 1m/s wind speed.
Power measurement error +/- 3%

Structure Features

Solar Cell	POLY
Solar Cell Array	60 pcs
Module Dimension	1666×1002×35mm
Weight	18.5 kg
Glass	3.2 mm (0.13 inches) highly transparent anti-reflection coating tempered glass
Back sheet	White
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
Cable	4mm²、L=900 mm、PV cable
Diode Quantity	3
Wind Pressure/Snow Pressure	2400pa / 5400pa
Connector	MC4 Compatible

* More details please read the installation manual.

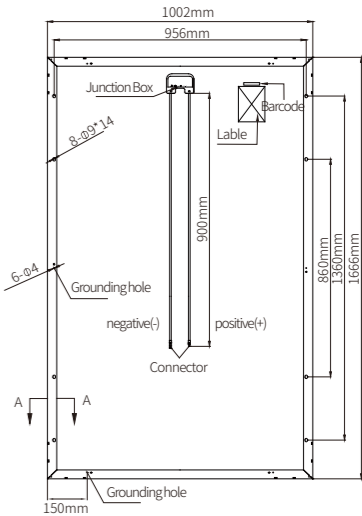
Temperature Characteristics

Solar Cells Rated Working Temperature	44±2°C
Temperature Coefficient (Isc)	+0.057%/°C
Temperature Coefficient (Voc)	-0.31%/°C
Temperature Coefficient (Pmax)	-0.39%/°C

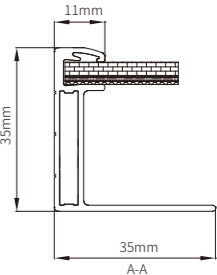
Maximum Ratings

Working Temperature	-40~+85°C
Maximum System Voltage	1000V DC
	1500V DC
Maximum Fuse Rated Current	15A

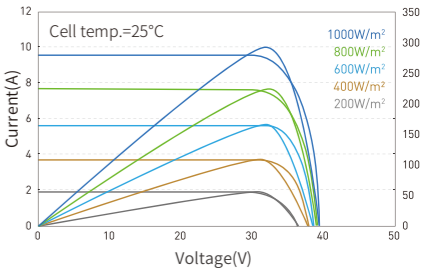
Module Dimension



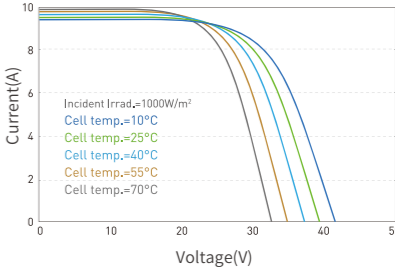
Back View



I-V curves/P-V curves of module under different irradiation(290w)



I-V curves of module under different temperature(290w)



158.75 JY60P-H

Polycrystalline
Half Cell PV Module

Power Output : 280W - 295W
Power Tolerance : 0W ~ +5W
Maximum Efficiency : 17.5%

Highlights

Superior silicon cells, High efficiency solar panel, Most cost-effective and ideal option for power station.

Pass the test for weather resistance in harsh environments (salt mist, ammonia corrosion and sand).

Excellent encapsulating materials and strict production process to ensure highly resistance against PID (Potential Induced Degradation) of PV module.

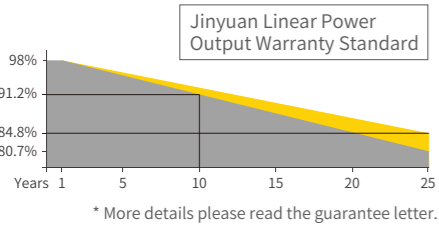
Lower oxygen and carbon content result in lower LID.

Series and parallel design, reduce the series resistance RS of module, reduce the loss of internal electrical performance, and improve the power generation capacity of whole system.

Cutting solar cell technology, which significantly reduces string current and module damage,it is good choice for projects in high temperate areas.

Jinyuan Offers Long-term Quality Assurance

- 12 years Product Warranty
- 25 years Linear Power Output Warranty
- The attenuation of the power output in the first year ≤2%
The annual average attenuation after the first year ≤0.55%



Optional

- Connector
 - Original MC4
- Cable length
 - 1000mm
 - 900mm
- Frame
 - Black
- Solar Module Dimension
 - 1686x1000x40mm
- Back sheet color
 - Black
 - Transparency

Packaging

- Number of modules per pallet31 pcs
- Standard container - 20GP372 pcs
- Standard container - 40HQ868 pcs

Electrical performance parameters | STC

Power Output	Pmax(W)	280	285	290	295
Rated Power Maximum Voltage	Vmp(V)	31.3	31.7	32.0	32.3
Rated Power Maximum Current	Imp(A)	8.95	9.00	9.07	9.14
Open Circuit Voltage	Voc(V)	38.5	38.7	39.0	39.3
Short Circuit Current	Isc(A)	9.57	9.65	9.73	9.81
Module Efficiency	(%)	16.6	16.9	17.2	17.5
Power Tolerance	(W)	0~+5W			

* STC : 1000W/m2 irradiance, 25°C module temperature, AM1.5 spectrum.
Power measurement error +/- 3%

Electrical performance parameters | NMOT

Power output	Pmax (W)	208.88	212.61	216.34	220.07
Rated Power Maximum Voltage	Vmp (V)	29.26	29.63	29.91	30.19
Rated Power Maximum Current	Imp (A)	7.14	7.18	7.23	7.29
Open Circuit Voltage	Voc (V)	35.88	36.06	36.34	36.62
Short Circuit Current	Isc (A)	7.73	7.79	7.85	7.92

* NMOT:800W/m2 irradiance, 20°C module temperature, 1m/s wind speed.
Power measurement error +/- 3%

Structure Features

Solar Cell	POLY
Solar Cell Array	120 pcs(6×20)
Module Dimension	1686×1000×35mm
Weight	18.7 kg
Glass	3.2 mm (0.13 inches) highly transparent anti-reflection coating tempered glass
Back sheet	White
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
Cable	4mm²、L=300 mm、PV cable
Diode Quantity	3
Wind Pressure/Snow Pressure	2400pa / 5400pa
Connector	MC4 Compatible

* More details please read the installation manual.

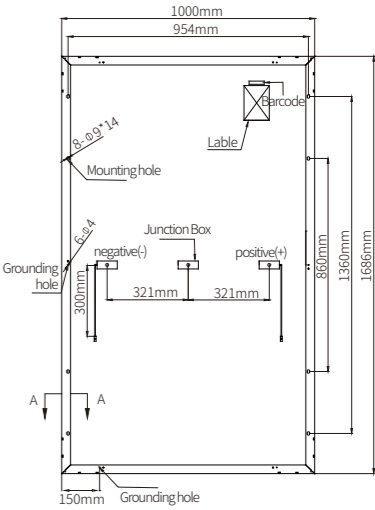
Temperature Characteristics

Solar Cells Rated Working Temperature	44±2°C
Temperature Coefficient (Isc)	+0.057%/°C
Temperature Coefficient (Voc)	-0.31%/°C
Temperature Coefficient (Pmax)	-0.39%/°C

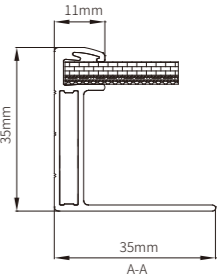
Maximum Ratings

Working Temperature	-40~+85°C
Maximum System Voltage	1000V DC
	1500V DC
Maximum Fuse Rated Current	15A

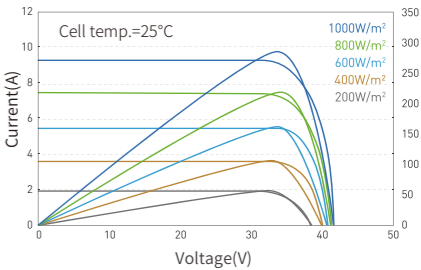
Module Dimension



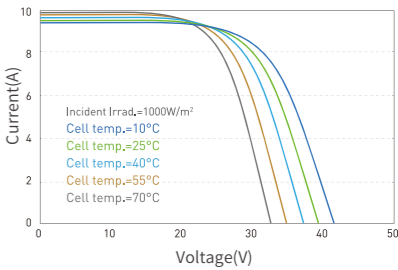
Back View



I-V curves/P-V curves of module under different irradiation(295w)



I-V curves of module under different temperature(295w)



158.75 JY72P | Polycrystalline PV Module

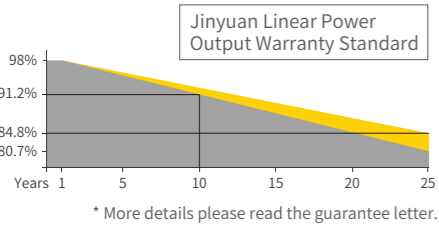
Power Output : 335W - 350W
Power Tolerance : 0W ~ +5W
Maximum Efficiency : 17.7%

Highlights

-  Superior silicon cells, High efficiency solar panel, Most cost-effective and ideal option for power station.
-  Excellent encapsulating materials and strict production process to ensure highly resistance against PID (Potential Induced Degradation) of PV module.
-  High transparent self-clean tempered glass to increase the light adoption and effectively reduce the power loss which is caused by dust.
-  Pass the test for weather resistance in harsh environments (salt mist, ammonia corrosion and sand).
-  Reinforced frame with more remarkable loading capacity.
-  1500V highest affordable system voltage to effectively reduce the BOS cost.

Jinyuan Offers Long-term Quality Assurance

- 12 years Product Warranty
- 25 years Linear Power Output Warranty
- The attenuation of the power output in the first year ≤2%
The annual average attenuation after the first year ≤0.55%



Optional

- Connector ☐ Original MC4
- Cable length ☐ 1000mm ☐ 900mm
- Frame ☐ Black
- Solar Module Dimension ☐ 1979x1002x40mm
- Back sheet color ☐ Black ☐ Transparency

Packaging

- Number of modules per pallet 31 pcs
- Standard container - 20GP 310 pcs
- Standard container - 40HQ 682 pcs

Electrical performance parameters | STC

Power Output	Pmax(W)	335	340	345	350
Rated Power Maximum Voltage	Vmp(V)	38.0	38.3	38.6	38.9
Rated Power Maximum Current	Imp(A)	8.82	8.89	8.95	9.01
Open Circuit Voltage	Voc(V)	46.2	46.4	46.6	46.8
Short Circuit Current	Isc(A)	9.34	9.40	9.46	9.52
Module Efficiency	(%)	16.9	17.1	17.4	17.7
Power Tolerance	(W)	0~+5W			

* STC : 1000W/m2 irradiance, 25°C module temperature, AM1.5 spectrum.
Power measurement error +/- 3%

Electrical performance parameters | NMOT

Power output	Pmax (W)	248.86	252.75	256.68	260.99
Rated Power Maximum Voltage	Vmp (V)	35.10	35.30	35.60	35.90
Rated Power Maximum Current	Imp (A)	7.09	7.16	7.21	7.27
Open Circuit Voltage	Voc (V)	43.10	43.30	44.00	44.20
Short Circuit Current	Isc (A)	7.60	7.66	7.76	7.81

* NMOT:800W/m2 irradiance, 20°C module temperature, 1m/s wind speed.
Power measurement error +/- 3%

Structure Features

Solar Cell	POLY
Solar Cell Array	72 pcs
Module Dimension	1979×1002×35mm
Weight	21.5 kg
Glass	3.2 mm (0.13 inches) highly transparent anti-reflection coating tempered glass
Back sheet	White
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
Cable	4mm²、L=1000 mm、PV cable
Diode Quantity	3
Wind Pressure/Snow Pressure	2400pa / 5400pa
Connector	MC4 Compatible

* More details please read the installation manual.

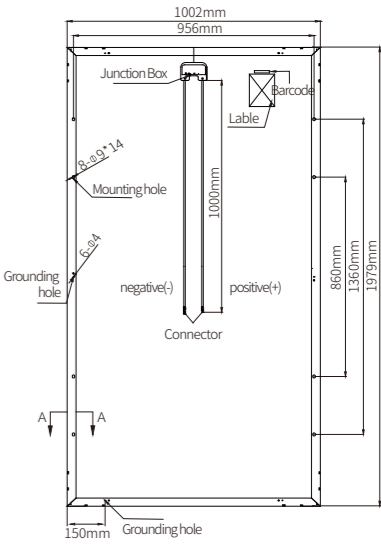
Temperature Characteristics

Solar Cells Rated Working Temperature	44±2°C
Temperature Coefficient (Isc)	+0.057%/°C
Temperature Coefficient (Voc)	-0.31%/°C
Temperature Coefficient (Pmax)	-0.39%/°C

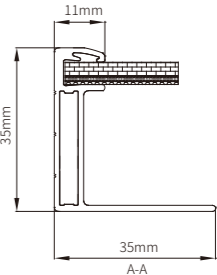
Maximum Ratings

Working Temperature	-40~+85°C
Maximum System Voltage	1000V DC
	1500V DC
Maximum Fuse Rated Current	15A

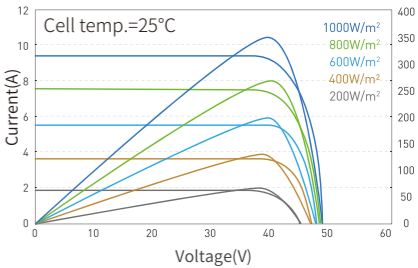
Module Dimension



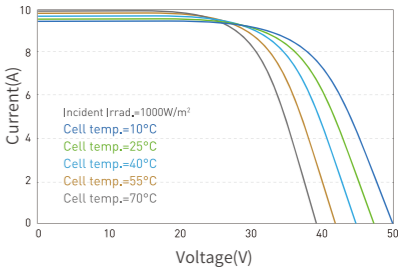
Back View



I-V curves/P-V curves of module under different irradiation(350w)



I-V curves of module under different temperature(350w)



158.75 JY72P-H

Polycrystalline
Half Cell PV Module

Power Output : 340W - 355W
Power Tolerance : 0W ~ +5W
Maximum Efficiency : 17.6%

Highlights

Superior silicon cells, High efficiency solar panel, Most cost-effective and ideal option for power station.

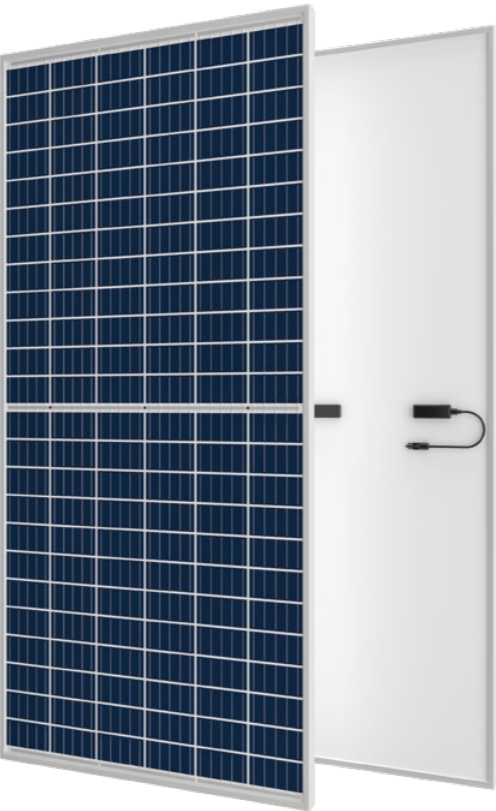
Pass the test for weather resistance in harsh environments (salt mist, ammonia corrosion and sand).

PID Excellent encapsulating materials and strict production process to ensure highly resistance against PID (Potential Induced Degradation) of PV module.

LID Lower oxygen and carbon content result in lower LID.

Series and parallel design, reduce the series resistance RS of module, reduce the loss of internal electrical performance, and improve the power generation capacity of whole system.

Cutting solar cell technology, which significantly reduces string current and module damage,it is good choice for projects in high temperate areas.



Optional

- Connector

☐ Original MC4
- Cable length

☐ 1000mm ☐ 900mm
- Frame

☐ Black
- Solar Module Dimension

☐ 2008x1002x40mm
- Back sheet color

☐ Black ☐ Transparency

Packaging

- Number of modules per pallet

31 pcs
- Standard container - 20GP

310 pcs
- Standard container - 40HQ

682 pcs

Electrical performance parameters | STC

Power Output	Pmax(W)	340	345	350	355
Rated Power Maximum Voltage	Vmp(V)	38.3	38.6	38.9	39.1
Rated Power Maximum Current	Imp(A)	8.89	8.95	9.01	9.07
Open Circuit Voltage	Voc(V)	46.4	46.6	46.8	47.0
Short Circuit Current	Isc(A)	9.40	9.46	9.52	9.58
Module Efficiency	(%)	16.9	17.1	17.4	17.6
Power Tolerance	(W)	0~+5W			

* STC : 1000W/m2 irradiance, 25°C module temperature, AM1.5 spectrum.
Power measurement error +/- 3%

Electrical performance parameters | NMOT

Power output	Pmax (W)	252.75	256.68	260.99	265.30
Rated Power Maximum Voltage	Vmp (V)	35.30	35.60	35.90	36.20
Rated Power Maximum Current	Imp (A)	7.16	7.21	7.27	7.33
Open Circuit Voltage	Voc (V)	43.30	44.00	44.20	44.4
Short Circuit Current	Isc (A)	7.66	7.76	7.81	7.86

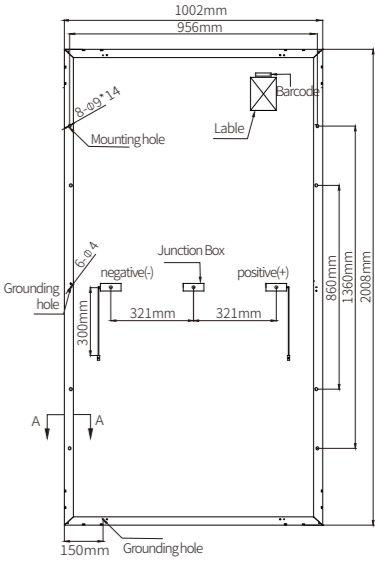
* NMOT:800W/m2 irradiance, 20°C module temperature, 1m/s wind speed.
Power measurement error +/- 3%

Structure Features

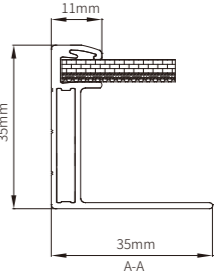
Solar Cell	POLY
Solar Cell Array	144 pcs(6×24)
Module Dimension	2008×1002×35mm
Weight	22.2 kg
Glass	3.2 mm (0.13 inches) highly transparent anti-reflection coating tempered glass
Back sheet	White
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
Cable	4mm²、L=300 mm、PV cable
Diode Quantity	3
Wind Pressure/Snow Pressure	2400pa / 5400pa
Connector	MC4 Compatible

* More details please read the installation manual.

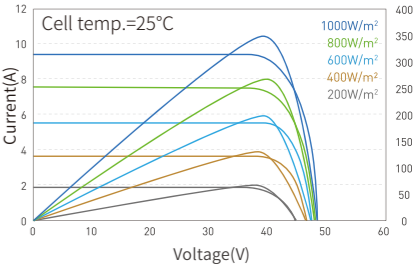
Module Dimension



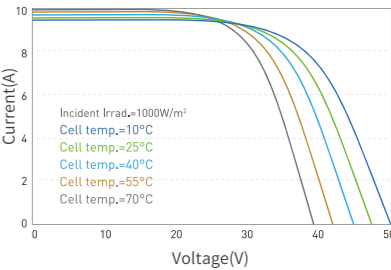
Back View



I-V curves/P-V curves of module under different irradiation(350w)

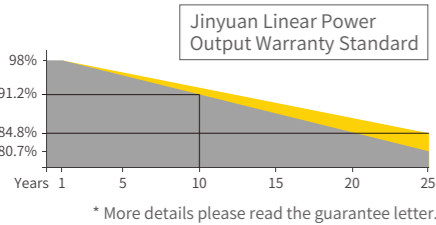


I-V curves of module under different temperature(350w)

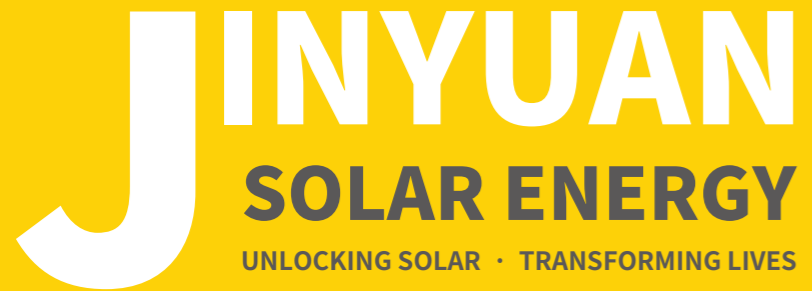


Jinyuan Offers Long-term Quality Assurance

- 12 years Product Warranty
- 25 years Linear Power Output Warranty
- The attenuation of the power output in the first year ≤2%
The annual average attenuation after the first year ≤0.55%



* More details please read the guarantee letter.



PRODUCTION | INNOVATION | CUSTOMIZATION

PROJECT REFERENCE

Ground-Mounted Power Plant

- Project Type: Utility Scale
- Location: Germany
- Total Capacity: 20 MW
- Product: JY72P, 330W
- Generation: Max 80000 KWH/Day

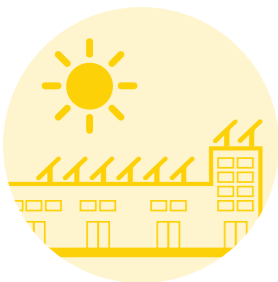
Unlocking Solar
Transforming Lives



GROUND-MOUNTED POWER PLANT



Commercial Solar Rooftop

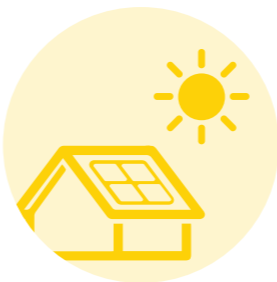


- Project Type: Commercial Scale
- Location: Shenzhen, China
- Total Capacity: 370 KW
- Product: 290W Poly
- Generation: 1200 KWH Per Day



SOLAR ENERGY
PHOTOVOLTAICS

Residential Solar Rooftop



- Project Type: Residential Rooftop
- Location: Germany
- Total Capacity: 20-99 KW
- Product: 330W Mono
- Generation: 60-290 KWH Per Day



SOLAR ENERGY
PHOTOVOLTAICS

Floating Solar



- Project Type: Floating Solar Farm
- Location: China
- Total Capacity: 1.2MW
- Product: JY60P, 290W
- Generation: 4800 KWH Per Day



SOLAR ENERGY
PHOTOVOLTAICS

Solar Irrigation



- Project Type: Agricultural
- Location: Thailand
- Total Capacity: 20KW/SET
- Product: JY72P, 330W
- Generation: 10 Ton/H-Deep Water



SOLAR ENERGY
PHOTOVOLTAICS