

Multi Busbar Monocrystalline Half Cell PV Module

JY3MxxxH60(H)

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



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.



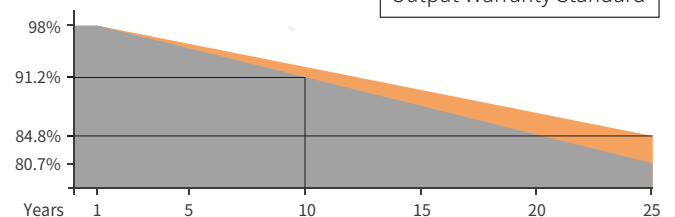
Cutting solar cell technology, which significantly reduces string current and module damage, it is good choice for projects in high temperature areas.



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 $\leq 2\%$, the annual average attenuation after the first year $\leq 0.55\%$

Jinyuan Linear Power Output Warranty Standard



* More details please read the guarantee letter.

Product Certification & Management Certification

- IEC61215/IEC61730
- ISO 9001:Quality Management System
- ISO 14001:Environment Management System
- ISO 45001:Occupation Health Safety Management System



Note: Read and understand the installation and safety manual before installation. The copyright belongs to Guangdong Jinyuan Solar Energy Co., Ltd, if any change will not further notice.



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Electrical performance parameters (STC)

Power Output	P _{max} (W)	365	370	375	380	385	390	395	400
Rated Power Maximum Voltage	V _{mp} (V)	34.30	34.60	35.90	35.20	35.50	35.80	36.10	36.40
Rated Power Maximum Current	I _{mp} (A)	10.65	10.70	10.75	10.80	10.85	10.90	10.95	11.01
Open Circuit Voltage	V _{oc} (V)	40.40	40.60	40.80	41.00	41.20	41.40	41.60	41.80
Short Circuit Current	I _{sc} (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.

Electrical performance parameters (NMOT)

Power output	P _{max} (W)	273.7	277.1	280.6	284.1	287.5	291.0	294.6	298.1
Rated Power Maximum Voltage	V _{mp} (V)	31.90	32.18	32.46	32.74	33.02	33.30	33.58	33.86
Rated Power Maximum Current	I _{mp} (A)	8.58	8.61	8.64	8.68	8.71	8.74	8.77	8.80
Open Circuit Voltage	V _{oc} (V)	38.40	38.64	38.88	39.12	39.36	39.60	39.84	40.08
Short Circuit Current	I _{sc} (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.

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	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 (I _{sc})	+0.06%/°C
Temperature Coefficient (V _{oc})	-0.35%/°C
Temperature Coefficient (P _{max})	-0.38%/°C

Maximum Ratings

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

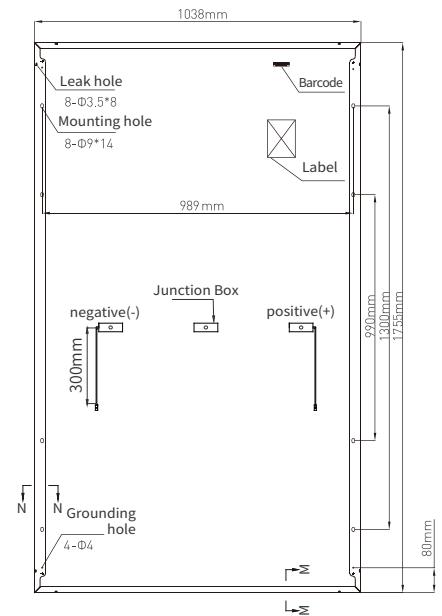
PACKAGING

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

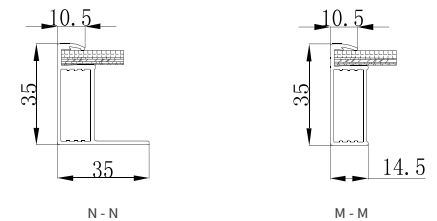
Optional

Connector	<input type="checkbox"/> Original MC4
Cable length	<input type="checkbox"/> 1000mm <input type="checkbox"/> 900mm
Frame	<input type="checkbox"/> Black
Solar Module Dimension	<input type="checkbox"/> 1755x1038x40mm
Back sheet color	<input type="checkbox"/> Black <input type="checkbox"/> Transparency

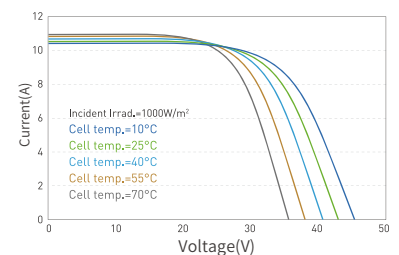
Module Dimension



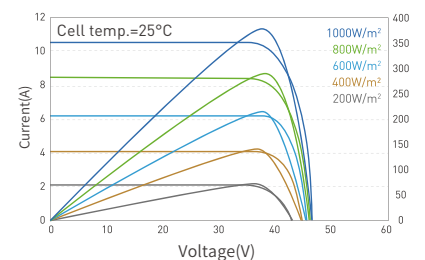
Back view



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



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



Power measurement error +/-3%

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