

# 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).
- 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.

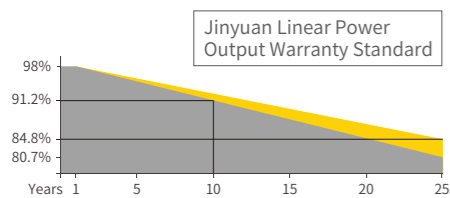


## Optional

- 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



\* More details please read the guarantee letter.

## 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	4mm <sup>2</sup> , L=300 mm, PV cable
Diode Quantity	3
Wind Pressure/Snow Pressure	2400pa / 5400pa
Connector	MC4 Compatible

\* More details please read the installation manual.

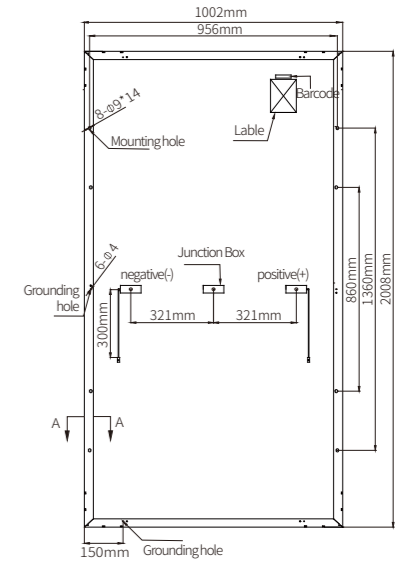
## Temperature Characteristics

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

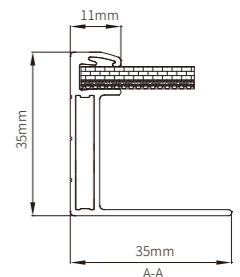
## Maximum Ratings

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

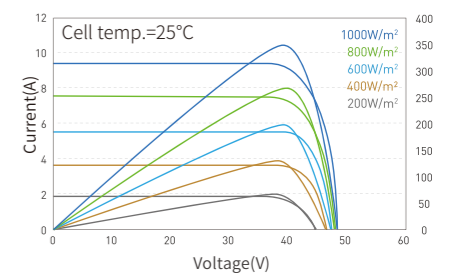
## Module Dimension



## Back View



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



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

