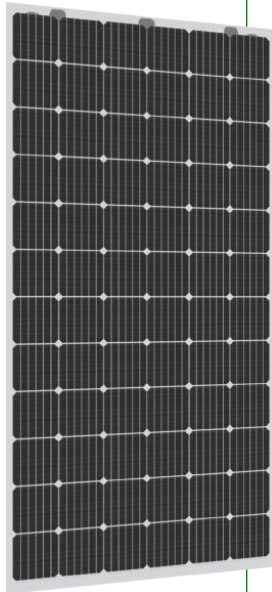


MONO

72 cells



V158 series, bifacial module



Features



High PID resistant

Advanced cell technology and qualified materials lead to high resistance to PID



High module efficiency

Advanced module technology delivers superior module efficiency



Current sorting process

System output maximized by reducing mismatch losses up to 2% with modules sorted & packaged by amperage



Positive tolerance

Positive tolerance of up to 5W delivers higher output reliability



Extended wind and snow load tests

Module certified to withstand extreme wind (3800 Pascal) and snow loads (5400 Pascal) \*



High system voltage Compatible

Maximum 1500VDC system voltage saves total system cost

Certifications and standards: IEC 61215, IEC 61730, conformity to CE



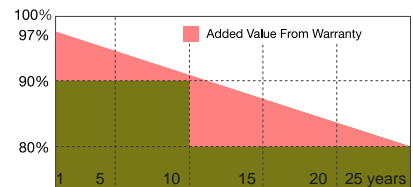
Chinayard Co.,LTD designs, manufactures and delivers high efficient solar modules to the world.

Founded in 2009, Chinayard is well known for its advanced technology, reliable product quality, and excellent customer service.

As one of leading PV enterprises, Chinayard has delivered more than 2.0G of solar products to residential, commercial, utility and off-grid projects all around the world.

Superior Warranty

- 12-year product warranty
- 25-year linear power output warranty



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## Electrical characteristics at Standard Test Conditions(STC)

Model	CYC-V158-				
	BF72-390M	BF72-395M	BF72-400M	BF72-410M	BF72-415M
Maximum Power(Pm)	390Wp	395Wp	400Wp	410Wp	415Wp
Cell type	Mono	Mono	Mono	Mono	Mono
Optimum Operating Current(Imp)	9.82A	9.40A	9.68A	9.82A	9.88A
Short Circuit Current (Isc)	10.2A	9.87A	10.2A	10.43A	10.52A
Optimum Operating Voltage(V)	39.70V	42.01V	41.32V	41.71V	41.98V
Open Circuit Voltage(Voc)	48.04V	50.83V	50.00V	50.47V	50.80V
Maximum System Voltage	1500V				
Module efficiency	19.67%	19.92%	20.17%	20.68%	20.93%

Standard Test Conditions (STC): Irradiance 1,000 W/m<sup>2</sup>; AM 1.5; module temperature 25°C.  
 Measuring uncertainty of power: ±3%. Certified in accordance with IEC 61215, IEC 61730-1/2 and UL 1703.

## Electrical Characteristics With Different Rear Side Power Gain (Reference to 390W Front)

Backside Power Gain	5%	10%	15%	20%	25%
Maximum Power(Pm)	410	429	449	468	488
Optimum Operating Current(Imp)	9.74A	10.21A	10.67A	11.13A	11.60A
Short Circuit Current (Isc)	10.18A	10.72A	11.26A	11.82A	12.35A
Optimum Operating Voltage(V)	42.01V	42.01V	42.02V	42.02V	42.02V
Open Circuit Voltage(Voc)	49.78V	49.78V	49.79V	49.79V	49.79V

## Temperature Characteristics

Nominal Operating Cell Temperature 45±2°C

Temperature Coefficient of Pmax -0.42%/°C

Temperature Coefficient of Voc -0.32%/°C

Temperature Coefficient of ISC +0.05%/°C

## Material Characteristics

Dimension 1990\*1002\*6mm  
(1990\*1002x25mm with Junction Box)

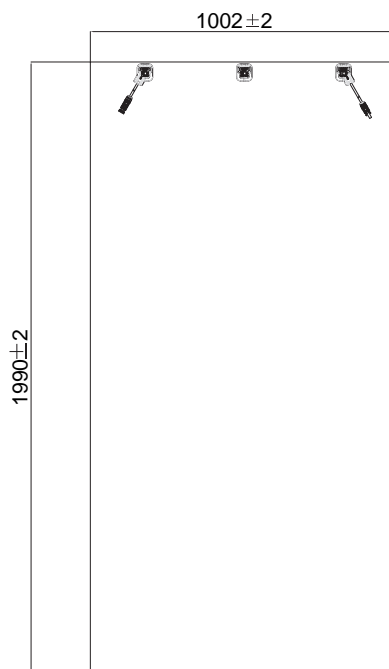
Weight Appro 29.6kgs

Cells (quantity/material) 72 pieces solar cells series strings

Junction Box IP67, 3 diodes

Cable&Connector Length 600mm, 2x 4 mm<sup>2</sup>, compatible film

## Dimensions and Structure



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