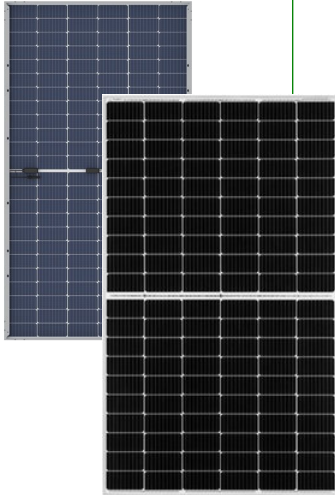


MONO

120 Half Cells



V166 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



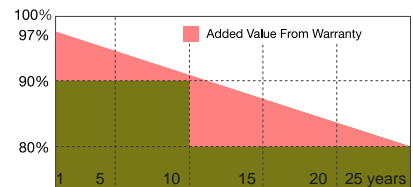
Chinayard Co.,LTD designs, manufactures and delivers high efficient solar modules to the world.

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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Email:chinayardliu@126.com

www.chinayard.com

Electrical characteristics at Standard Test Conditions(STC)

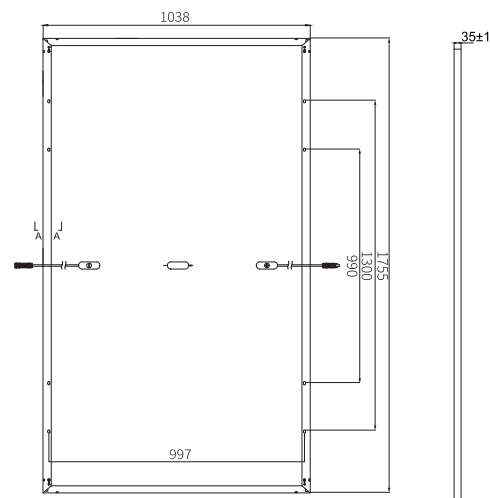
Model	CYC-V166- BF120-370M	CYC-V166- BF120-375M	CYC-V166- BF120-380M	CYC-V166- BF120-385M
Maximum Power(Pm)	370Wp	375Wp	380Wp	385Wp
Cell type	Mono	Mono	Mono	Mono
Optimum Operating Current(Imp)	10.75A	10.84A	10.92A	11.00A
Short Circuit Current (Isc)	11.51A	11.60A	11.68A	11.77A
Optimum Operating Voltage(V)	34.39V	34.58V	34.79V	34.98V
Open Circuit Voltage(Voc)	40.88V	41.11V	41.36V	41.58V
Maximum System Voltage	1500V			
Module efficiency	20.31%	20.59%	20.86%	21.13%

Standard Test Conditions (STC): Irradiance 1,000 W/m²; 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 375W Front)

Backside Power Gain	5%	10%	15%	20%	25%
Maximum Power(Pm)	394	413	431	450	469
Optimum Operating Current(Imp)	11.38A	11.92A	12.46A	13.00A	13.54A
Short Circuit Current (Isc)	11.89A	12.52A	13.14A	13.81A	14.42A
Optimum Operating Voltage(V)	34.58V	34.58V	34.6V	34.6V	34.6V
Open Circuit Voltage(Voc)	41.66V	41.66V	41.69V	41.69V	41.69V

Dimensions and Structure



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	1755*1038*35mm
Weight	Appro 22.6kgs
Cells (quantity/material)	120 pieces solar cells
Junction Box	IP68, 3 diodes
Cable&Connector	4mm ² , +400mm,-200mm Length can be customized

Packaging	30pcs/pallet 180pcs/20GP,780pcs/40HC
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Units: mm

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 **eSOL**

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