

## MONOCRYSTALLINE SILICON MODULE



**10** years products warranty

**25** year power output warranty

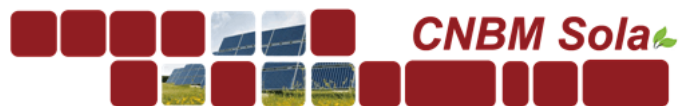
Address: Floor 17-18th, No.4 Building Zhuyu International Commercial. Center, No.9 Shouti South Road, Haidian District, Beijing 100048, China

Tel: +86-10-68796522

Fax: +86-10-68796522

E-mail: sales@cnbmsolar.com

Website: www.cnbmsolar.com



# 6M-275 6M-280 6M-285 6M-290 6M-295 6M-300 MONOCRYSTALLINE SILICON MODULE

## Products Characteristics



Widely using of the most popular and mature type of modules for on-grid system.



Leading manufacturing technology in PV industry, strictly controlling the quality of raw materials and the process of producing



100% EL inspection, ensures modules are defects free.



Cells binned by current to improve module performance



Anti reflective glass. Not only to increase the light absorption, but also to make the module has the function of self-cleaning in water environment, effectively reducing the power loss caused by dust.



Outstanding performance in low-light irradiance environments.



Excellent mechanical load resistance: Certified to withstand high wind loads(2400pa) and snow loads(5400pa).



High salt and ammonia resistance



Positive power tolerance: 0~+5w

## Warranty

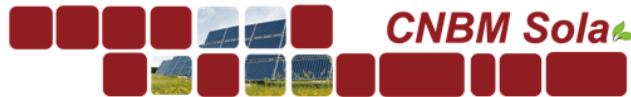
- 10 years product warranty
- 10-years 90% of Min. rated output power, and 25-years 80% of Min. rated output power warranty

## Comprehensive Certificates

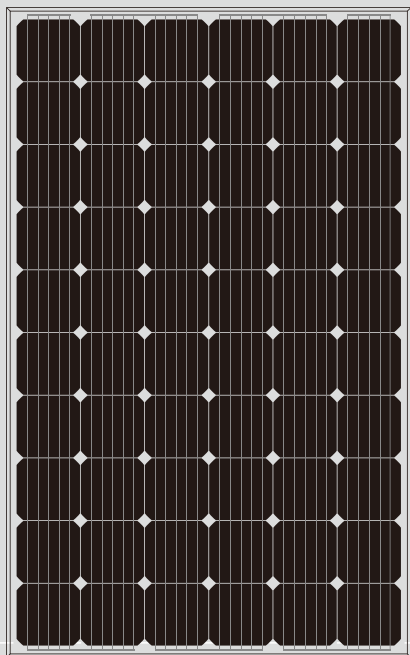
- ISO Certificate
- IEC61215、IEC61730 Certificate
- SGS-TUV Certificate
- CE Certificate

Specifications subject to technology and test conditions,

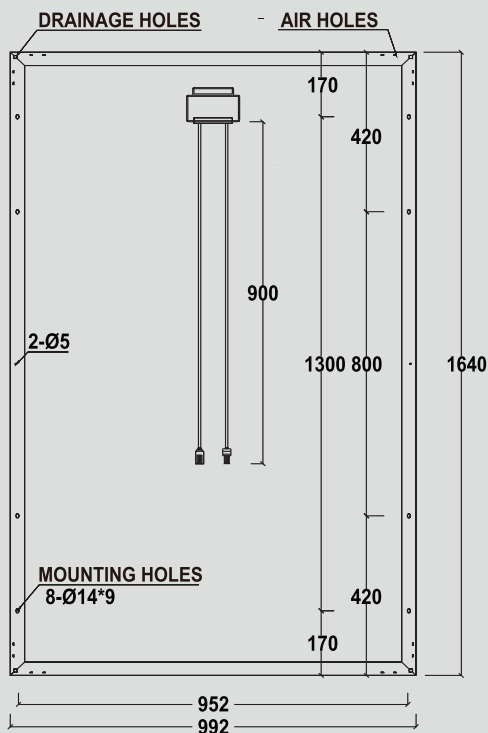
# 6M-275 6M-280 6M-285 6M-290 6M-295 6M-300



Engineering Drawings (Front Side)



Engineering Drawings (Back Side)



Address: Floor 17-18th, No.4 Building Zhuyu International Commercial Center, No.9 Shouti South Road, Haidian District, Beijing 100048, China  
 Tel: +86-10-68796522  
 Fax: +86-10-68796522  
 E-mail: sales@cnbmsolar.com  
 Website: www.cnbmsolar.com

## Raw materials and Mechanical Parameters

	6M-275	6M-280	6M-285	6M-290	6M-295	6M-300
Type of Cells(mm)	mono156.75 × 156.75					
NO. of Cells and Connections	6 × 10=60					
Dimensions(mm)(L*W*H)	1640 × 992 × 35/40					
Weight(kg)	17.9/18.2					
Glass	3.2mm Tempered Glass					
Encapsulation	EVA					
Backsheet	Multilayer Composite					
Aluminium-Frame	Silvery/Black Anodized aluminium alloy					
Junction-Box	IP65/IP67					
Cable	4mm <sup>2</sup> ,900mm					
Connector	MC4 and MC4 Compatible					
Package Configuration	30/26pcs/pallet					
40GP	840pcs ( 30/PALLET )		728pcs ( 26/PALLET )			
40HQ	896pcs ( 30/PALLET )		784pcs ( 26/PALLET )			

## Performance Parameters

	6M-275	6M-280	6M-285	6M-290	6M-295	6M-300
Maximum System Voltage	1000V					
Operating Temperature	-45~+80°C					
Maximum Series Fuse	10A					
Maximum Static Load,Front Side (e.x. Snow,Wind)	5400Pa					
Maximum Static Load, Back Side(e.x. Wind)	2400Pa					
Application Grade	Class A					

## Electrical Parameters (Standard Test Condition)

	6M-275	6M-280	6M-285	6M-290	6M-295	6M-300
Rated Maximum Power(Mp)	275W	280W	285W	290W	295W	300W
Power Tolerance	0~+5W					
Module Efficiency	16.90%	17.21%	17.52%	17.83%	18.13%	18.44%
Open Circuit Voltage(Voc)	38.5V	38.7V	39.0V	39.2V	39.5V	39.7V
Maximum Power Voltage(Vmp)	31.2V	31.4V	31.6V	31.8V	32.0V	32.2V
Short Circuit Current(Isc)	9.34A	9.45A	9.56A	9.67A	9.77A	9.88A
Maximum Power Current(Imp)	8.81A	8.92A	9.02A	9.12A	9.22A	9.32A
Temperature Coefficient of Isc	+0.06%					
Temperature Coefficient of Voc	-0.32%					
Temperature Coefficient of Pmp	-0.45%					
Standard Test Condition	Irradiance:1000W/M2,Cell Temperature:25°C,Spectrum AM:1.5					

The Electrical Parameters of the module are the average theory figure under the standard test condition, each one exists difference. Can not be treated as the basis of module delivery.