



# Photovoltaic Module

## Monocrystalline

### 60Cell 300W-320W



#### Quality and Safety

- \*Rigorous quality control meeting the highest international standards
- \*High-transmissivity low-iron tempered glass, strong aluminium frame Using UV-resistant silicon
- \*ISO 9001:2008 、 ISO 14001:2004 and OHSAS18001
- \*IEC61215,IEC61730,Safety Class II,conformity to CE

#### Features

- \*Aesthetic appearance with excellent efficiency based on innovative photovoltaic technologies
- \*High quality,strong aluminium frame,passing mechanical load testing 5400 Pa and wind pressure 2400Pa

#### Warranties

- \*10 years limited product warranty
- \*10 years at90% of the minimal rated power output
- \*25 years at80% of the minimal rated power output

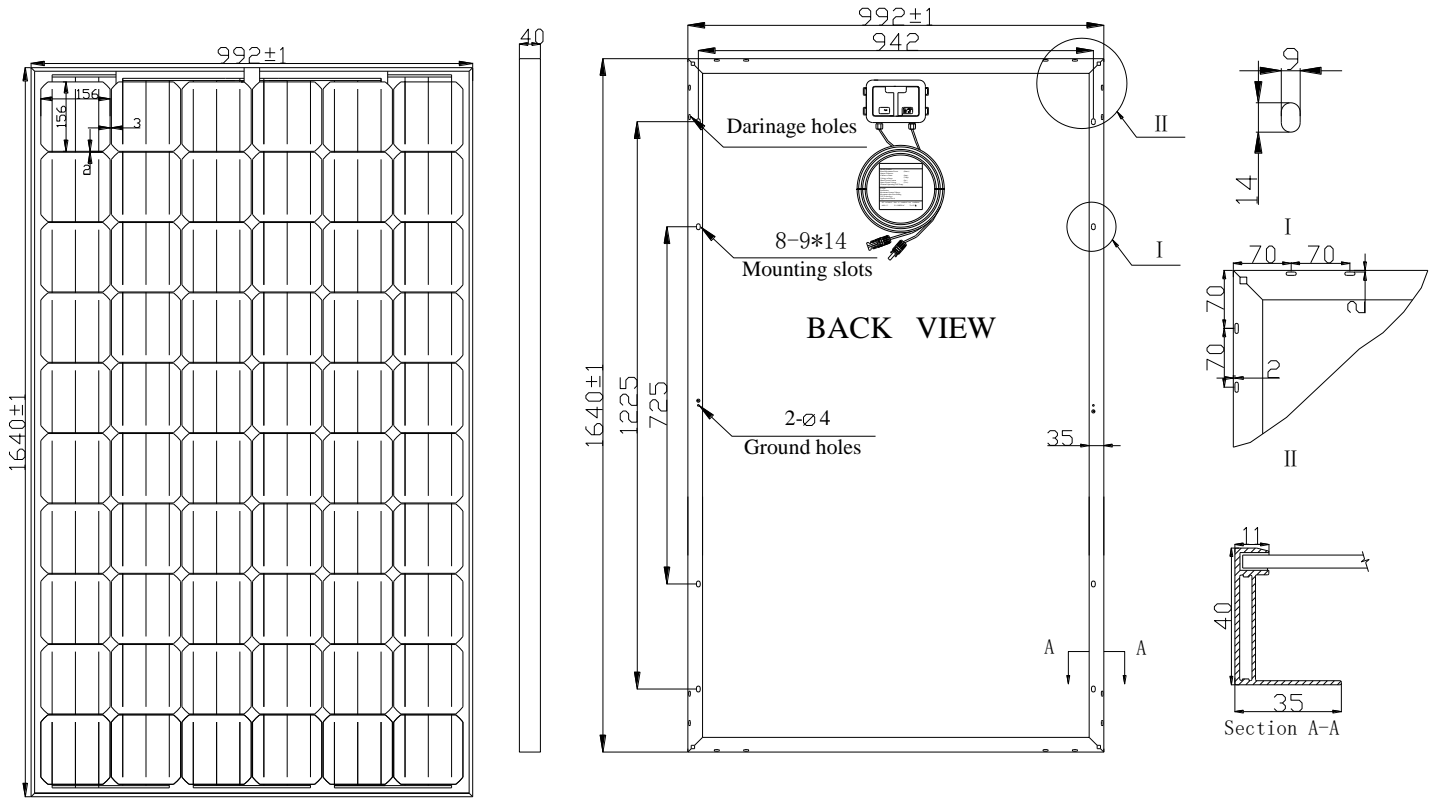
#### Certificates



#### Electrical Characteristics

Model	CNCB300W	CNCB305W	CNCB310W	CNCB315W	CNCB320W
Maximum Power at STC (Pmax)	300W	305W	310W	315W	320W
Optimum Operating Voltage (Vmp)	32.6V	32.7V	32.9V	33.1V	33.2V
Optimum Operating Current (Imp)	9.21A	9.33A	9.42A	9.52A	9.64A
Open-Circuit Voltage (Voc)	40.0V	40.2V	40.4V	40.6V	40.7V
Short-Circuit Current (Isc)	9.65A	9.74A	9.83A	9.93A	10.05A
Solar Module Efficiency (%)	18.44	18.79	19.06	19.36	19.67
Operating Temperature	-40to85°C				
Maximum System Voltage	DC1000				
Maximum Series Fuse Rating	15A				
Power Tolerance	+/-3%				
STC:Irradiance 1000W/m <sup>2</sup> ,Modules Temperature 25°C,AM=1.5					

## Engineering Drawings

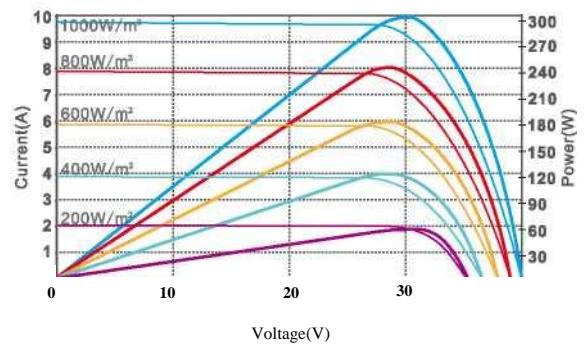


## Mechanical Characteristics

Solar cell	Mono-Crystalline 156*156mm
No. of cells	60 (6x10)
Dimensions	1640mm*992mm*40mm
Weight	18kg
Front glass	3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction box	PV-*****
Connector	Plug and socket
Output cables	PV 4.0mm <sup>2</sup> , 0.9m
1*20'	330 pcs
1*40'	728 pcs
1*40'HQ	812 pcs

## IV-Curves

I-V characteristics at different irradiances



## Temperature Coefficient

Nominal Operating Cell Temperature (NOCT)	45°C +/- 2°C
Temperature Coefficient of Pmax	-0.39%/°C
Temperature Coefficient of VOC	-0.29%/°C
Temperature Coefficient of ISC	+0.049%/°C