



# Photovoltaic Module

## Monocrystalline

### 64Cell 200-240W



### 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

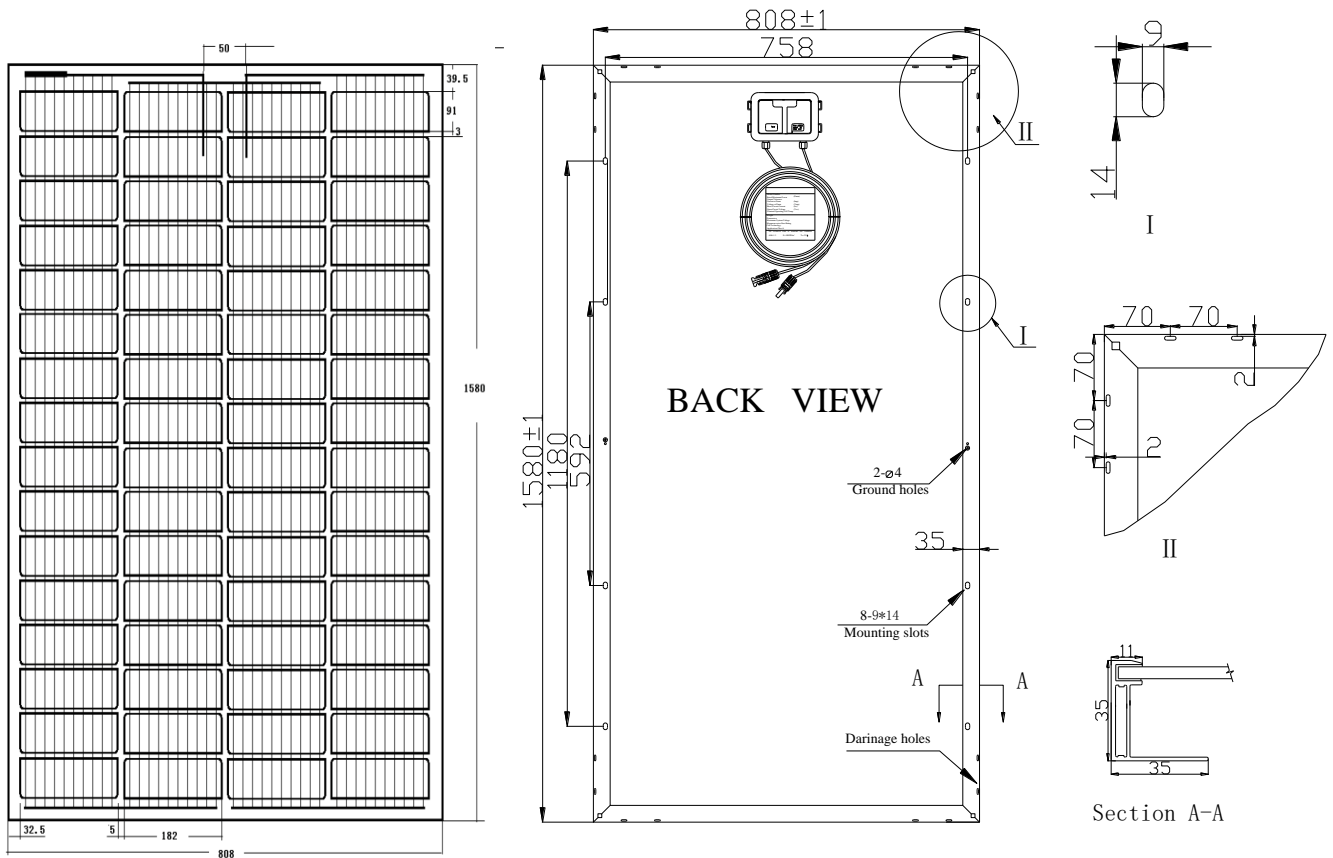
### Certificates



### Electrical Characteristics

Model	CNCB200W64	CNCB210W64	CNCB220W64	CNCB230W64	CNCB240W64
Maximum Power at STC (Pmax)	200W	210W	220W	230W	240W
Optimum Operating Voltage (Vmp)	35.55V	35.85V	36.15V	36.45V	36.75V
Optimum Operating Current (Imp)	5.625A	5.858A	6.086A	6.310A	6.53A
Open-Circuit Voltage (Voc)	43.53V	43.83V	44.13V	44.43V	43.73V
Short-Circuit Current (Isc)	5.999A	6.245A	6.488A	6.727A	6.96A
Solar Cell Efficiency (%)	18.87	19.8	20.76	21.70	22.64
Solar Module Efficiency (%)	15.67	16.45	17.23	18.02	18.80
Operating Temperature	-40to85℃				
Maximum System Voltage	DC1000				
Maximum Series Fuse Rating	15A				
Power Tolerance	+/-3%				
STC:Irradiance 1000W/m <sup>2</sup> ,Modules Temperature 25℃,AM=1.5					

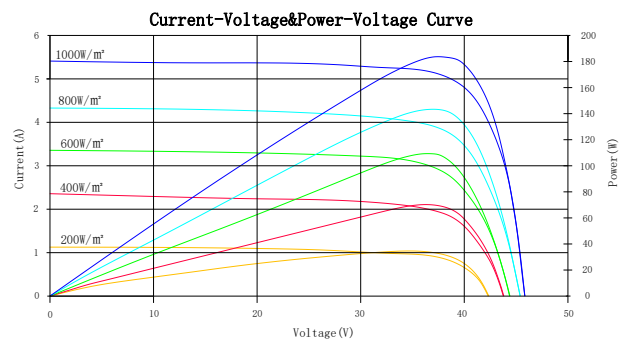
# Engineering Drawings



## Mechanical Characteristics

Solar cell	Mono-Crystalline 182*91mm
No. of cells	64 (4*16)
Dimensions	1580mm*808mm*35mm
Weight	15kg
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'	386pcs
1*40'	840pcs
1*40'HQ	868pcs

## IV-Curves



## Temperature Coefficient

Nominal Operating Cell Temperature (NOCT)	45°C +/- 2°C
Temperature Coefficient of Pmax	-0.35%/°C
Temperature Coefficient of VOC	-0.27%/°C
Temperature Coefficient of ISC	+0.048%/°C