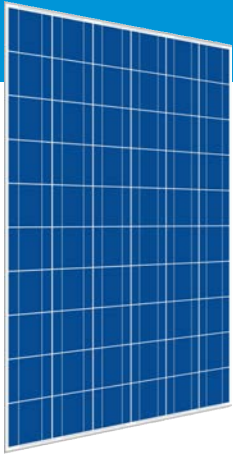


# 60 Cell 156\*156 series Poly crystalline Solar Panel



## 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

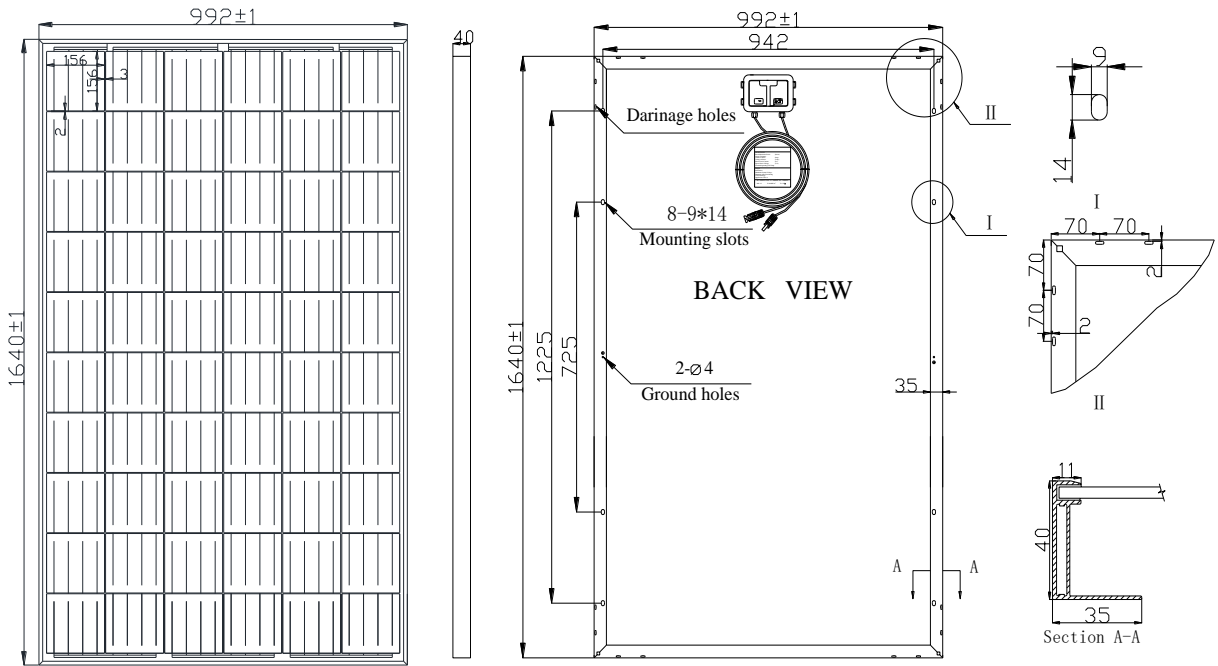
## Warranties

- 10 years limited product warranty
- 10 years at 90% of the minimal rated power output
- 25 years at 80% of the minimal rated power output

| Model  | CNCC270W  | CNCC275W | CNCC280W | CNCC285W |
|--|-----------|----------|----------|----------|
| Maximum Power at STC (Pmax)  | 270W      | 275W     | 280W     | 285W     |
| Optimum Operating Voltage (Vmp)                                      | 31.0V     | 31.1V    | 31.3V    | 31.5V    |
| Optimum Operating Current (Imp)                                      | 8.71A     | 8.85A    | 8.95A    | 9.05A    |
| Open-Circuit Voltage (Voc)   | 38.2V     | 38.3V    | 38.5V    | 38.7V    |
| Short-Circuit Current (Isc)  | 9.13A     | 9.25A    | 9.35A    | 9.45A    |
| Solar Module Efficiency (%)  | 16.5      | 16.8     | 17.11    | 17.41    |
| 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 |           |          |          |          |

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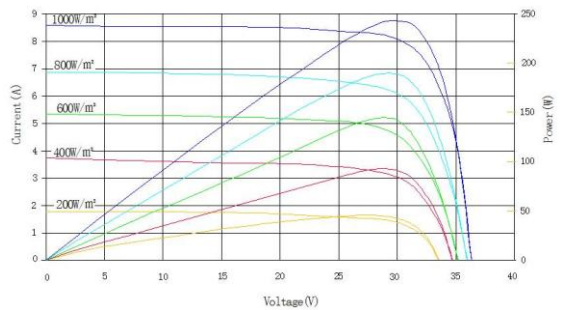
## Engineering Drawings



## Mechanical Characteristics

|               |                             |
|---------------|-----------------------------|
| Solar cell    | Poly-Crystalline 156*156mm  |
| No. of cells  | 60 (6×10)                   |
| 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'         | 728pcs                      |
| 1*40'HQ       | 812 pcs                     |

## IV-Curves



## Temperature Coefficient

|   |             |
|---|-------------|
| Nominal Operating Cell Temperature (NOCT) | 45°C±2°C    |
| Temperature Coefficient of Pmax           | -0.4030%/°C |
| Temperature Coefficient of VOC            | -0.33%/°C   |
| Temperature Coefficient of ISC            | +0.049%/°C  |