



Photovoltaic Module

Polycrystalline

60Cell 270W-285W

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

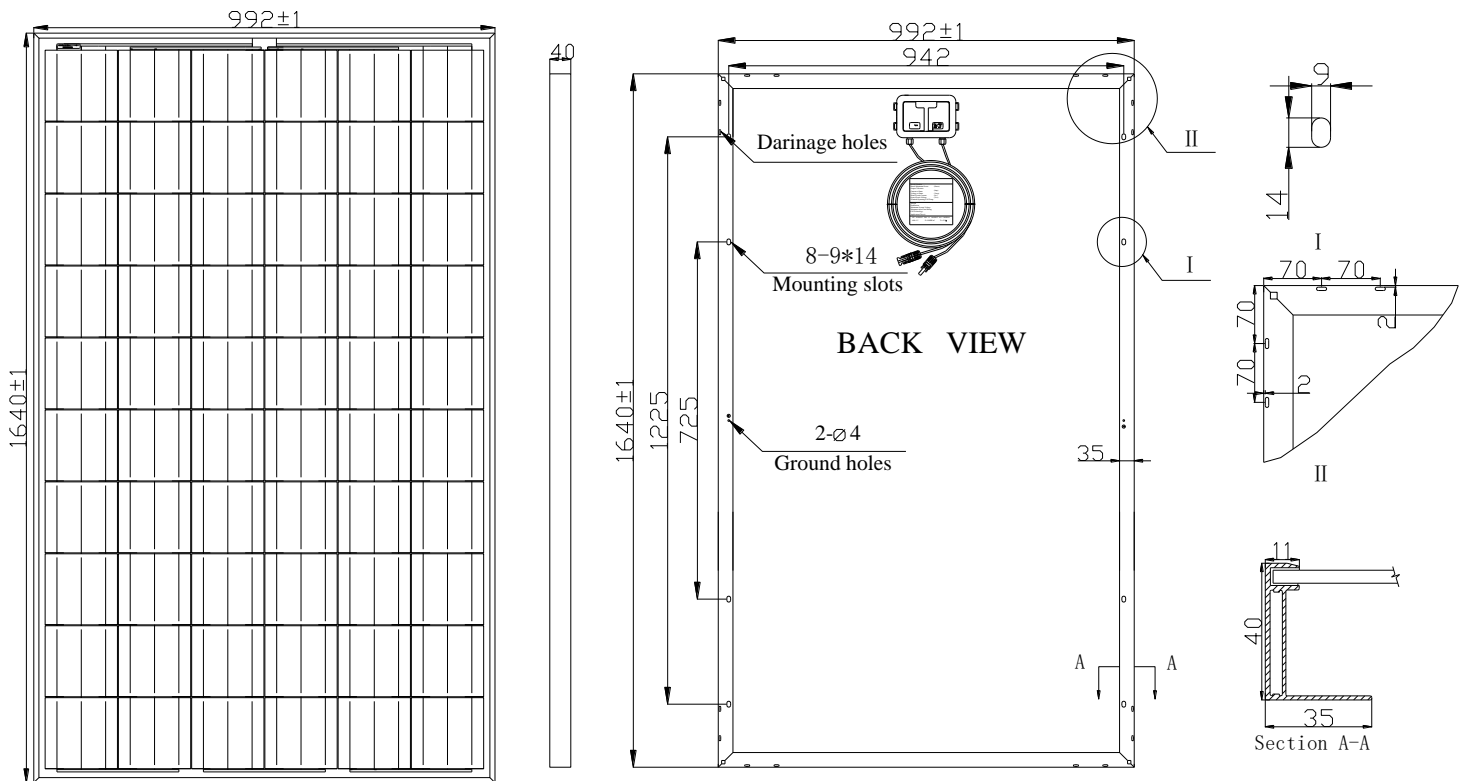


Electrical Characteristics

Model	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 (%)	16.6	16.9	17.2	17.5
Operating Temperature	-40to85℃			
Maximum System Voltage	DC1000			
Maximum Series Fuse Rating	15A			
Power Tolerance	+/-3%			

STC:Irradiance 1000W/m²,Modules Temperature 25℃,AM=1.5

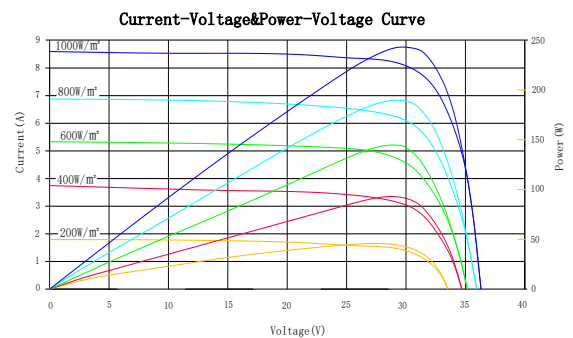
Engineering Drawings



Mechanical Characteristics

Solar cell	Poly-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 ² , 0.9m
1*20'	300 pcs
1*40'	728 pcs
1*40'HQ	812pcs

IV-Curves



Temperature Coefficient

Nominal Operating Cell Temperature (NOCT)	45°C +/- 2°C
Temperature Coefficient of P _{max}	-0.4030%/°C
Temperature Coefficient of V _{OC}	-0.330%/°C
Temperature Coefficient of I _{SC}	+0.049%/°C