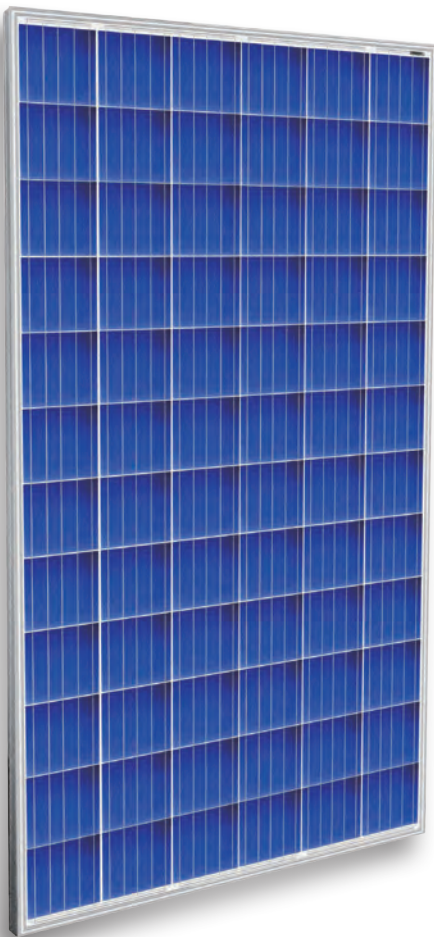




**ECO GREEN ENERGY**

**72 CELLS**

**PHOTOVOLTAIC MODULE  
300~325 W OUTPUT POWER**



5 busbars cells, with efficiency up to 19.0 %.



With up to 325 W power and 0~3 % power output tolerance .



IP65 junction box for long term weather endurance.



High quality aluminum frame, resisting load up to 5400 Pa and wind pressure up to 2400 Pa.

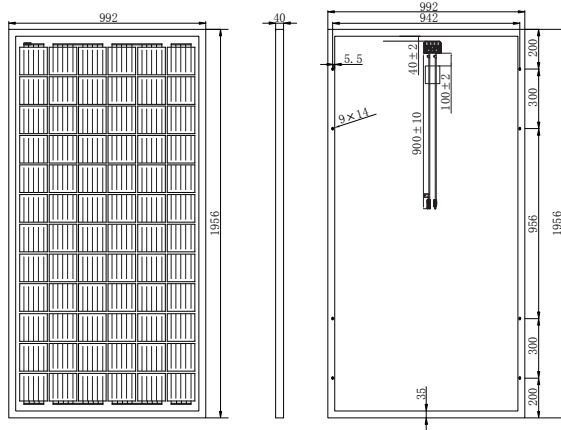


High transmissivity, low-iron tempered glass.

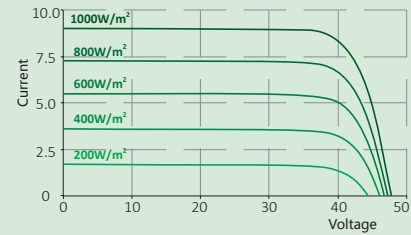


[www.eco-greenenergy.com](http://www.eco-greenenergy.com)

## Engineering drawings



## IV curves



## Temperature characteristics

<b>NOCT</b>	45 °C ±2 °C
<b>Temperature coefficient of Pmax</b>	-0.41 %/°C
<b>Temperature coefficient of Voc</b>	-0.31 %/°C
<b>Temperature coefficient of Isc</b>	+0.06 %/°C

## Electrical characteristics at STC\*

<b>Power output (Pmax)</b>	300 W	305 W	310 W	315 W	320 W	325 W
<b>Panel efficiency</b>	15.46 %	15.72 %	15.98 %	16.23 %	16.49 %	16.75 %
<b>Maximum power voltage (Vmp)</b>	36.70 V	36.78 V	36.98 V	37.22 V	37.42 V	37.69 V
<b>Maximum power current (Imp)</b>	8.17 A	8.29 A	8.38 A	8.46 A	8.55 A	8.62 A
<b>Open circuit voltage (Voc)</b>	45.55 V	45.62 V	45.92 V	46.12 V	46.35 V	46.64 V
<b>Short circuit current (Isc)</b>	8.82 A	8.91 A	8.98 A	9.02 A	9.07 A	9.12 A

\*Standard test conditions:  
irradiance: 1000 W/m<sup>2</sup> • cell temperature: 25 °C • AM: 1.5

## Electrical characteristics at NOCT\*

<b>Power output (Pmax)</b>	222 W	226 W	2290 W	233 W	237 W	240 W
<b>Maximum power voltage (Vmp)</b>	33.90 V	33.97 V	34.15 V	34.37 V	34.56 V	34.81 V
<b>Maximum power current (Imp)</b>	6.54 A	6.63 A	6.71 A	6.77 A	6.84 A	6.90 A
<b>Open circuit voltage (Voc)</b>	42.28 V	42.35 V	42.63 V	42.81 V	43.03 V	43.29 V
<b>Short circuit current (Isc)</b>	7.16 A	7.23 A	7.29 A	7.32 A	7.36 A	7.40 A

\*Nominal operating cell temperature:  
irradiance: 800 W/m<sup>2</sup> • ambient temperature: 20 °C • AM: 1.5 • wind speed: 1 m/s

## General characteristics

## Operating conditions

<b>Cell type</b>	Polycrystalline (156.75×156.75 mm)	<b>Operating temperature range</b>	-45 °C ~ +85 °C
<b>Number of cells</b>	72	<b>Max system voltage</b>	1000 V
<b>Dimensions</b>	1956×992×40 mm	<b>Max series fuse rating</b>	20 A
<b>Weight</b>	22.8 kg	<b>Max front load (ex: snow)</b>	5400 Pa
<b>Glass</b>	3.2 mm tempered glass	<b>Max back load (ex: wind)</b>	2400 Pa
<b>Frame</b>	Anodized aluminium alloy	<b>Packaging</b>	
<b>Junction box</b>	IP65		
<b>Cable</b>	0.9 m		
<b>Connector</b>	MC4 or MC4 compatible		

<b>Per pallet</b>	26 pcs
<b>Per 20ft GP container</b>	300 pcs
<b>Per 40ft GP container</b>	640 pcs
<b>Per 40ft HQ container</b>	660 pcs