



**ECO GREEN ENERGY**

**60 CELLS**

**PHOTOVOLTAIC MODULE  
255~275 W OUTPUT POWER**



5 busbars cells, with efficiency up to 19.0 %.



With up to 275 W power and 0~3 % power output tolerance.



IP65 or IP67 junction box for long term weather endurance.



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

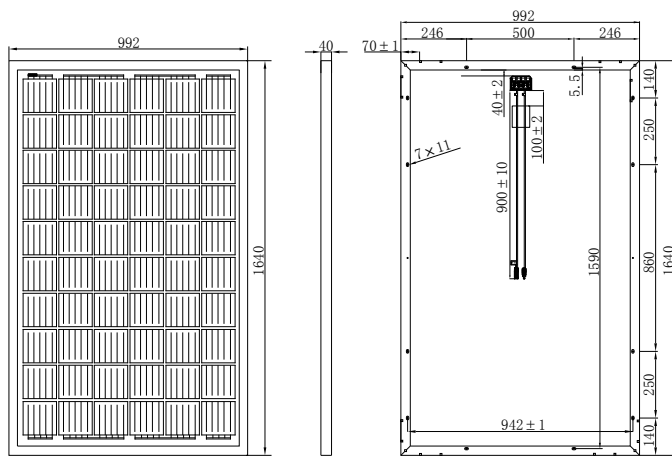


High transmissivity, low-iron tempered glass.

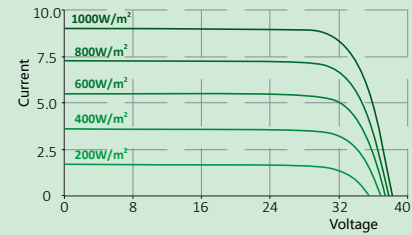


[www.eco-greenenergy.com](http://www.eco-greenenergy.com)

## Engineering drawings



## IV curves



## Temperature characteristics

<b>NOCT</b>	45 °C ± 2 °C
<b>Temperature coefficient of P<sub>max</sub></b>	-0.41 %/°C
<b>Temperature coefficient of V<sub>oc</sub></b>	-0.31 %/°C
<b>Temperature coefficient of I<sub>sc</sub></b>	+0.06 %/°C

## Electrical characteristics at STC\*

<b>Power output (P<sub>max</sub>)</b>	255 W	260 W	265 W	270 W	275 W
<b>Panel efficiency</b>	15.67 %	15.99 %	16.29 %	16.60 %	16.90 %
<b>Maximum power voltage (V<sub>mp</sub>)</b>	30.77 V	30.90 V	31.16 V	31.44 V	31.70 V
<b>Maximum power current (I<sub>mp</sub>)</b>	8.29 A	8.41 A	8.50 A	8.59 A	8.68 A
<b>Open circuit voltage (V<sub>oc</sub>)</b>	37.82 V	38.05 V	38.26 V	38.45 V	38.75 V
<b>Short circuit current (I<sub>sc</sub>)</b>	8.76 A	8.86 A	8.95 A	9.03 A	9.11 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 (P<sub>max</sub>)</b>	188.64 W	192.34 W	196.04 W	199.74 W	203.44 W
<b>Maximum power voltage (V<sub>mp</sub>)</b>	24.61 V	24.72 V	24.93 V	25.15 V	25.36 V
<b>Maximum power current (I<sub>mp</sub>)</b>	7.69 A	7.81 A	7.89 A	7.97 A	8.05 A
<b>Open circuit voltage (V<sub>oc</sub>)</b>	34.93 V	35.14 V	35.34 V	35.51 V	35.79 V
<b>Short circuit current (I<sub>sc</sub>)</b>	7.11 A	7.19 A	7.27 A	7.33 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 (156×156 mm)	<b>Operating temperature range</b>	-45 °C ~ +85 °C		
<b>Number of cells</b>	60	<b>Max system voltage</b>	1500 V		
<b>Dimensions</b>	1640×992×40 mm	<b>Max series fuse rating</b>	15 A		
<b>Weight</b>	18.8 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 or IP67				
<b>Cable</b>	0.9 m			<b>Per pallet</b>	26 pcs
<b>Connector</b>	MC4 or MC4 compatible			<b>Per 20ft GP container</b>	350 pcs
		<b>Per 40ft GP container</b>	780 pcs		
		<b>Per 40ft HQ container</b>	800 pcs		