



**ECO GREEN ENERGY**

**72 CELLS**

**PHOTOVOLTAIC MODULE MONO  
310~350 W OUTPUT POWER**



5 busbars cells, with efficiency up to 20.4 %.



With up to 350 W power and 0~3 % power output tolerance .



IP65 or IP67 junction box for long term weather endurance.



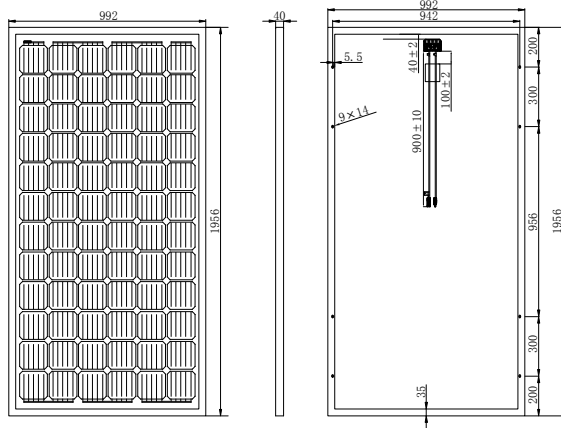
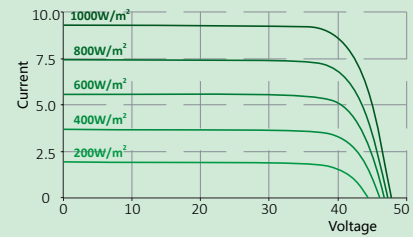
High quality aluminum frame, resisting load up to 5400 Pa and wind pressure up to 2400 Pa.



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 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>	310 W	315 W	320 W	325 W	330 W	335 W	340 W	345 W	350 W
<b>Panel efficiency</b>	15.98 %	16.23 %	16.50 %	16.75 %	17.01 %	17.27 %	17.52 %	17.78 %	18.04 %
<b>Maximum power voltage (Vmp)</b>	37.04 V	37.06	37.15 V	37.53V	37.88 V	37.93 V	38.54 V	38.41 V	38.71 V
<b>Maximum power current (Imp)</b>	8.36 A	8.45 A	8.52 A	8.61 A	8.68 A	8.75 A	8.82 A	8.98 A	9.04 A
<b>Open circuit voltage (Voc)</b>	45.42 V	45.61 V	45.87 V	45.99 V	46.28 V	46.55 V	46.76 V	46.64 V	46.88 V
<b>Short circuit current (Isc)</b>	8.83 A	8.91 A	8.97 A	9.05 A	9.12 A	9.18 A	9.24 A	9.32 A	9.38 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>	231 W	235 W	239 W	242 W	246 W	250 W	254 W	257 W	261 W
<b>Maximum power voltage (Vmp)</b>	29.42 V	34.94 V	35.23 V	35.40 V	35.65 V	35.89 V	36.13 V	36.01V	36.29 V
<b>Maximum power current (Imp)</b>	6.64 A	6.71 A	6.76 A	6.84 A	6.89 A	6.95 A	7.01 A	7.13 A	7.18 A
<b>Open circuit voltage (Voc)</b>	42.12 V	42.30 V	42.54 V	42.65 V	42.92 V	43.17 V	43.36 V	43.25 V	43.48 V
<b>Short circuit current (Isc)</b>	7.18 A	7.24 A	7.29 A	7.36 A	7.42 A	7.46 A	7.51 A	7.58 A	7.63 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>	Monocrystalline (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 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>	300 pcs
		<b>Per 40ft GP container</b>	640 pcs		
		<b>Per 40ft HQ container</b>	660 pcs		