

# SOLAR MODULE EGE-165-170P-72 POLYCRYSTALLINE MODULE

165-170 W / 72 Cells / 5 Bus bars



Eco Green Energy's modules are only made of grade A solar cells with a very high efficiency and ensured more than 25 years lifespan.

## KEY FEATURES



5 bus bars cells, with efficiency up to 21 %



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



High performance in low-light environment



Double EL test before and after lamination



**25 YEARS** OUTPUT POWER WARRANTY



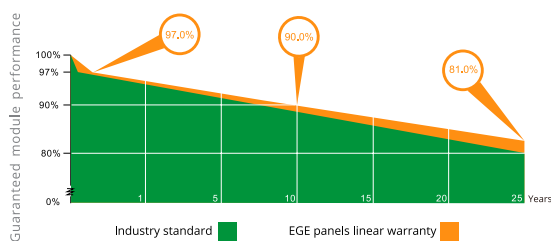
**12 YEARS** PRODUCT WARRANTY

## CERTIFICATES

IEC 61215 / IEC 61730 / CE  
ISO 9001:2015

## LINEAR PERFORMANCE WARRANTY

12-Year Product Warranty · 25-Year Linear Power Warranty



## ELECTRICAL DATA AT STC\*

Power output (Pmax)	165 W	170 W
Power tolerance	0~+5 W	0~+5 W
Module efficiency	14.85 %	15.30 %
Maximum power voltage (Vmp)	35.95 V	36.01 V
Maximum power current (Imp)	4.59 A	4.72 A
Open circuit voltage (Voc)	44.71 V	44.79 V
Short circuit current (Isc)	4.93 A	5.06 A

\*Standard Test Conditions: Irradiance: 1 000 W / m<sup>2</sup>  
Cell temperature: 25°C • AM: 1.5

## ELECTRICAL DATA AT NOCT\*

Power output (Pmax)	122.06 W	125.76 W
Maximum power voltage (Vmp)	33.19 V	33.26 V
Maximum power current (Imp)	3.67 A	3.78 A
Open circuit voltage (Voc)	41.50 V	41.58 V
Short circuit current (Isc)	4.00 A	4.11 A

\*Nominal Operating Cell Temperature: Irradiance: 800 W / m<sup>2</sup>  
Ambiant temperature: 20°C • AM: 1.5 • Wind speed: 1 m/s

## TEMPERATURE CHARACTERISTICS

NOCT	45 °C ±2 °C
Temperature coefficient of Pmax	-0.396%/°C
Temperature coefficient of Voc	-0.31%/°C
Temperature coefficient of Isc	+0.06%/°C

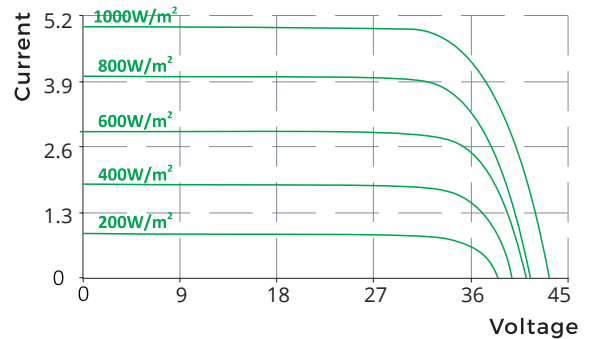
## MAXIMUM RATINGS

Operating temperature range	-45 °C ~+85 °C
Maximum system voltage	1500 V
Max series fuse rating	15 A
Max front load (e.g.: snow)	5400 Pa
Max back load (e.g.: wind)	2400 Pa

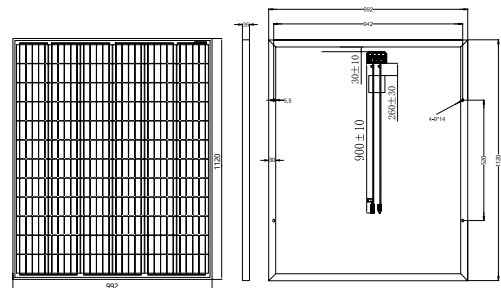
## MECHANICAL CHARACTERISTICS

Cell type	Polycrystalline (156.75x86 mm)
Number of cells	72
Dimensions	1120x992x35mm
Weight	12.8 kg
Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction box	IP65
Cable	0.9 m
Connector	MC4 or MC4 compatible

## I-V CURVES



## ENGINEERING DRAWINGS (mm)



## PACKAGING

Type	Pcs	Weight
Per Pallet	30 pcs	430 kg
20ft GP Container	590 pcs	8.5 t
40ft GP Container	1200 pcs	17.2 t
40ft HQ Container	1320 pcs	18.9 t