

**SOLAR MODULE**  
**EGE-100-105P-36**  
**POLYCRYSTALLINE MODULE**  
100-105 W / 36 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**



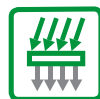
5 bus bars cells, with efficiency up to 21 %



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



**OUTPUT POWER WARRANTY**



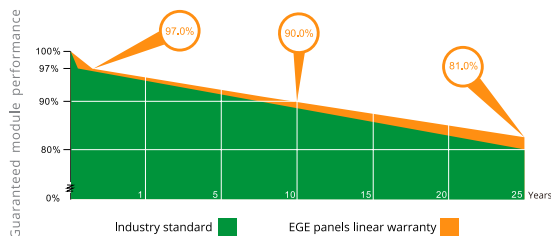
**PRODUCT WARRANTY**

**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)	100 W	105 W
Power tolerance	0~+3 %	0~+3 %
Module efficiency	14.63 %	15.36 %
Maximum power voltage (Vmp)	18.41 V	18.92 V
Maximum power current (Imp)	5.43 A	5.55 A
Open circuit voltage (Voc)	22.41 V	23.32 V
Short circuit current (Isc)	5.89 A	5.92 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)	73.98 W	77.68 W
Maximum power voltage (Vmp)	17.00 V	17.48 V
Maximum power current (Imp)	4.35 A	4.44 A
Open circuit voltage (Voc)	20.80 V	21.65 V
Short circuit current (Isc)	4.78 A	4.81 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	-0.41%/°C
Temperature coefficient of Voc	-0.31%/°C
Temperature coefficient of Isc	+0.06%/°C

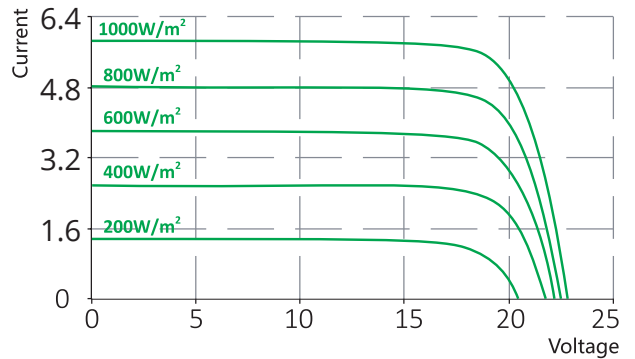
## MAXIMUM RATINGS

Operating temperature range	-45 °C ~+85 °C
Maximum system voltage	1500 V
Max series fuse rating	15 A
Max front load (e.g.: snow)	5 400 Pa
Max back load (e.g.: wind)	2 400 Pa

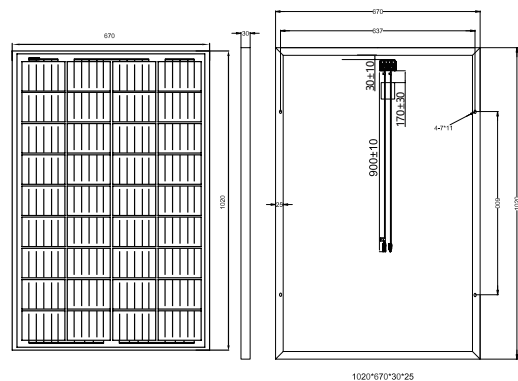
## MECHANICAL CHARACTERISTICS

Cell type	Polycrystalline (156.75x104 mm)
Number of cells	36
Dimensions	1020x670x30mm
Weight	7.7 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/ Type	Weight
Per pallet	35 pcs	299.5 kg
20ft GP Container	990 pcs	8.5 t
40ft GP Container	2150 pcs	18.4 t
40ft HQ Container	2500 pcs	21.4 t