

# SOLAR MODULE EGE-150-175P-36 POLYCRYSTALLINE MODULE

150-175 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**



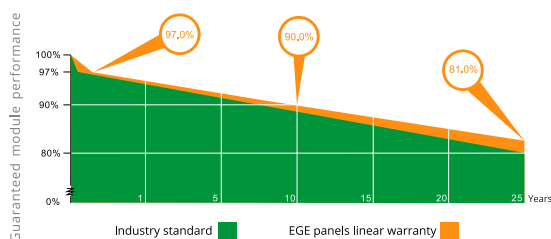
**PRODUCT WARRANTY**

## 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)	150 W	155 W	160 W	165 W	170 W	175 W
Power tolerance	0~+3 %	0~+3 %	0~+3 %	0~+3 %	0~+3 %	0~+3 %
Module efficiency	15.13 %	15.63 %	16.14 %	16.64 %	17.02 %	17.65 %
Maximum power voltage (Vmp)	18.40 V	18.45 V	18.60 V	18.94 V	19.32 V	19.53 V
Maximum power current (Imp)	8.15 A	8.40 A	8.60 A	8.71 A	8.80 A	8.96 A
Open circuit voltage (Voc)	22.51 V	22.80 V	23.21 V	23.33 V	23.26 V	23.49 V
Short circuit current (Isc)	8.75 A	8.89 A	8.98 A	9.16 A	9.18 A	9.30 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)	110.97 W	114.67 W	118.37 W	122.06 W	125.76 W	129.46 W
Maximum power voltage (Vmp)	16.99 V	17.04 V	17.18 V	17.49 V	17.84 V	18.04 V
Maximum power current (Imp)	6.52 A	6.72 A	6.88 A	6.97 A	7.04 A	7.17 A
Open circuit voltage (Voc)	20.90 V	21.16 V	21.54 V	21.66 V	21.59 V	21.80 V
Short circuit current (Isc)	7.10 A	7.22 A	7.29 A	7.44 A	7.45 A	7.55 A

\*Nominal Operating Cell Temperature: Irradiance: 800 W / m<sup>2</sup> • Ambient 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

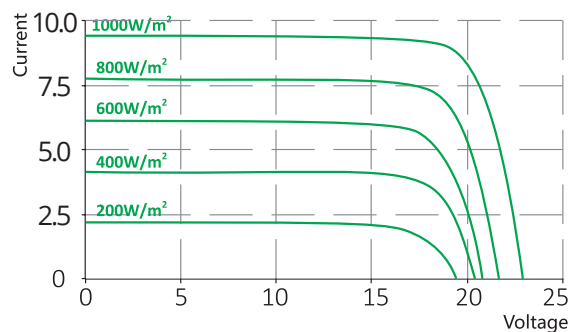
## MECHANICAL CHARACTERISTICS

Cell type	Polycrystalline (156.75x156.75 mm)
Number of cells	36
Dimensions	1480x670x30mm
Weight	11.0 kg
Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction box	IP65
Cable	0.9 m
Connector	MC4 or MC4 compatible

## PACKAGING

Type	Pcs	Weight
Per Pallet	35 pcs	415 kg
20ft GP Container	690 pcs	8.2 t
40ft GP Container	1500 pcs	17.8 t
40ft HQ Container	1750 pcs	20.8 t

## I-V CURVES



## ENGINEERING DRAWINGS (mm)

