

# SOLAR MODULE EGE-115-120M-36 MONOCRYSTALLINE MODULE

115-120 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.

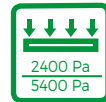
## KEY FEATURES



5 bus bars cells, with efficiency up to 22.8 %



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**



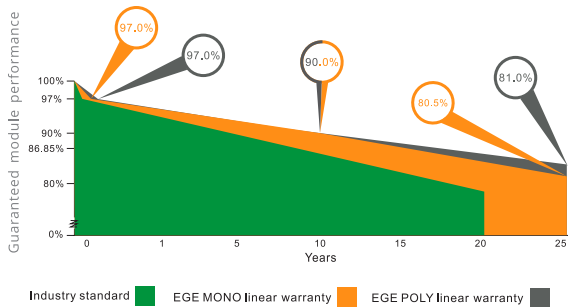
**PRODUCT WARRANTY**

## 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)	115 W	120 W
Power tolerance	0~+3 %	0~+3 %
Module efficiency	15.79 %	17.22 %
Maximum power voltage (Vmp)	18.75 V	18.75 V
Maximum power current (Imp)	6.13 A	6.40 A
Open circuit voltage (Voc)	23.11 V	22.75 V
Short circuit current (Isc)	6.57 A	6.72 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)	85.75 W	89.48 W
Maximum power voltage (Vmp)	17.58 V	17.58 V
Maximum power current (Imp)	4.87 A	5.08 A
Open circuit voltage (Voc)	21.43 V	21.10 V
Short circuit current (Isc)	5.34 A	5.46 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

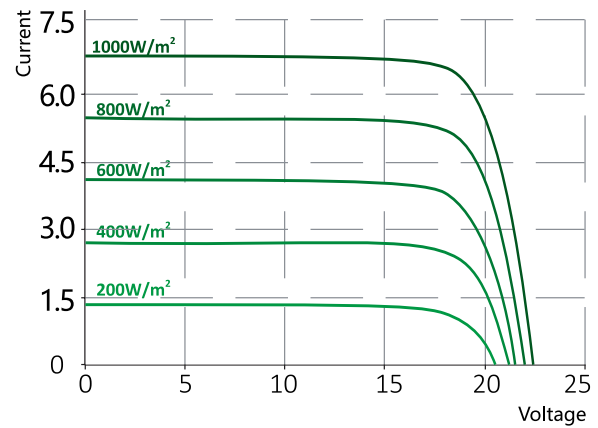
## MAXIMUM RATINGS

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

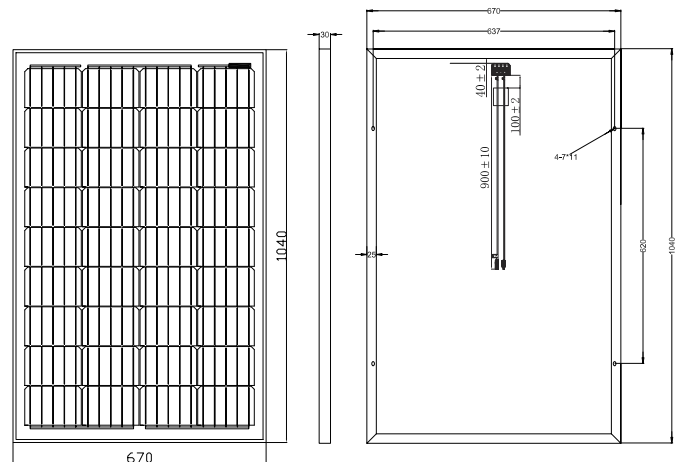
## MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline (156x108 mm)
Number of cells	36
Dimensions	1040x670x30mm
Weight	8.0 kg
Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction box	IP65
Cable	0.9 m
Connector	MC4 or MC4 compatible

## EGE-115-120M-36 / I-V CURVES



## ENGINEERING DRAWINGS (mm)



## PACKAGING

Type	Pcs/ Type	Weight
Per pallet	35 pcs	310 kg
20ft GP Container	950 pcs	8.4 t
40ft GP Container	2100 pcs	18.6 t
40ft HQ Container	2450 pcs	21.7 t