

EOS

380-400W / 72 Cells / 5 Bus Bars
Monocrystalline Module

EGE 158-M-72



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 %



IP67 junction box for long term weather endurance



High quality aluminum frame, resisting load up to 5400 Pa and wind pressure up to 3800 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



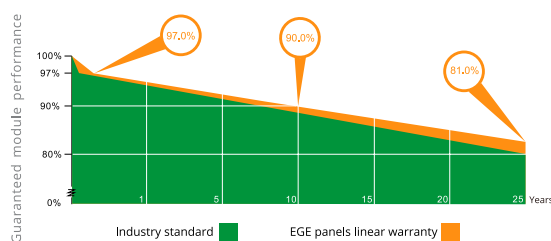
12 YEARS PRODUCT WARRANTY

CERTIFICATES

UL 1703 / CE / ISO 9001:2015 / PV CYCLE

LINEAR PERFORMANCE WARRANTY

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



ELECTRICAL DATA AT STC*

Power output (Pmax)	380 W	385 W	390 W	395 W	400 W
Power tolerance	0~+5 W	0~+5 W	0~+5 W	0~+5 W	0~+5 W
Module efficiency	19.15 %	19.41 %	19.66 %	19.91 %	20.16 %
Maximum power voltage (Vmp)	39.50 V	39.65 V	39.76 V	39.86 V	39.92 V
Maximum power current (Imp)	9.62 A	9.71 A	9.81 A	9.91 A	10.02 A
Open circuit voltage (Voc)	48.20 V	48.25 V	48.37 V	48.48 V	48.6 V
Short circuit current (Isc)	9.99 A	10.08 A	10.18 A	10.28 A	10.4 A

*Standard Test Conditions: Irradiance: 1 000 W / m² • Cell temperature: 25°C • AM: 1.5

ELECTRICAL DATA AT NOCT*

Power output (Pmax)	283.34 W	287.07 W	290.79 W	294.52 W	298.25 W
Maximum power voltage (Vmp)	37.03 V	37.17 V	37.27 V	37.37 V	37.42 V
Maximum power current (Imp)	7.64 A	7.71 A	7.79 A	7.87 A	7.96 A
Open circuit voltage (Voc)	44.70 V	44.74 V	44.86 V	44.96 V	45.07 V
Short circuit current (Isc)	8.12 A	8.19 A	8.28 A <td 8.36 A	8.45 A	

*Nominal Operating Cell Temperature: Irradiance: 800 W / m² • Ambient 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

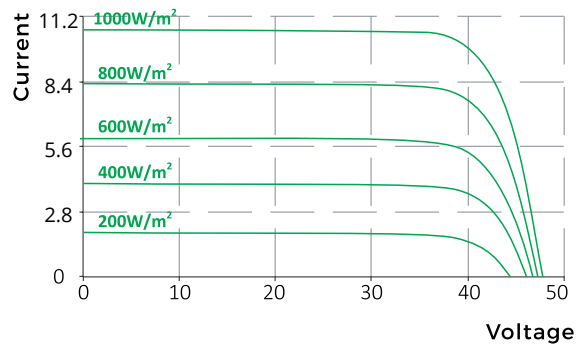
MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline (158.75x158.75 mm)
Number of cells	72
Dimensions	1980x1002x40mm
Weight	22.9 kg
Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction box	IP67
Cable	0.9 m
Connector	MC4 or MC4 compatible

PACKAGING

Type	Pcs/ Type	Weight
Per Pallet	26 pcs	640 kg
20ft GP Container	290 pcs	7.2 t
40ft GP Container	620 pcs	15.3 t
40ft HQ Container	678 pcs	16.7 t

I-V CURVES



ENGINEERING DRAWINGS (mm)

