

# SOLAR MODULE EGE-300-315M-60-FULL BLACK MONOCRYSTALLINE MODULE

300-315 W / 60 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.

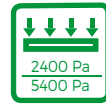
## KEY FEATURES



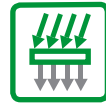
5 bus bars cells, with efficiency up to 22.8%



IP67 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**



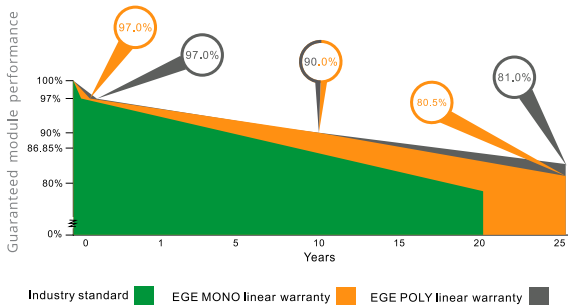
**PRODUCT WARRANTY**

## CERTIFICATES

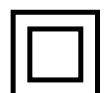
IEC 61215 / IEC 61730 / CE  
ISO 9001:2015

### LINEAR PERFORMANCE WARRANTY

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



Industry standard ■ EGE MONO linear warranty ■ EGE POLY linear warranty ■



## ELECTRICAL DATA AT STC\*

Power output (Pmax)	300 W	305 W	310 W	315 W
Power tolerance	0~+5 W	0~+5 W	0~+5 W	0~+5 W
Module efficiency	18.44 %	18.75 %	19.05 %	19.36 %
Maximum power voltage (Vmp)	32.93 V	33.15 V	33.48 V	33.69 V
Maximum power current (Imp)	9.11 A	9.20 A	9.26 A	9.35 A
Open circuit voltage (Voc)	39.70 V	39.94 V	40.15 V	40.39 V
Short circuit current (Isc)	9.50 A	9.58 A	9.67 A	9.75 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)	223.69 W	227.42 W	231.14 W	234.87 W
Maximum power voltage (Vmp)	30.87 V	31.08 V	31.38 V	31.58 V
Maximum power current (Imp)	7.24 A	7.31 A	7.35 A	7.43 A
Open circuit voltage (Voc)	36.82 V	37.04 V	37.23 V	37.46 V
Short circuit current (Isc)	7.72 A	7.79 A	7.86 A	7.93 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	-0.396%/°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

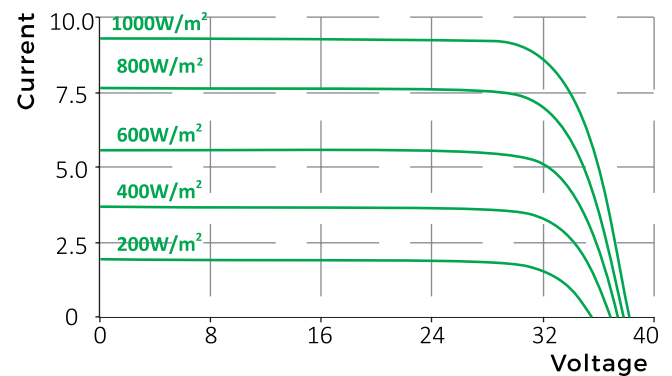
## MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline (156x156 mm)
Number of cells	60
Dimensions	1640x992x35mm
Weight	18.8 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	30 pcs	594 kg
20ft GP Container	400 pcs	7.9 t
40ft GP Container	840 pcs	16.6 t
40ft HQ Container	924 pcs	18.3 t

## I-V CURVES



## ENGINEERING DRAWINGS (mm)

