

SOLAR MODULE EGE-270P-60 POLYCRYSTALLINE MODULE

270 W / 60 Cells / 5 Bus bars



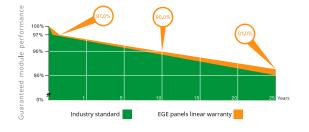


CERTIFICATES

IEC 61215 / IEC 61730 / CE ISO 9001:2015

LINEAR PERFORMANCE WARRANTY

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



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 %



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



ELECTRICAL DATA AT STC*

Bower output (Bmay)	270 W	
Power output (Pmax)	270 W	
Power tolerance	0~+5 W	
Module efficiency	16.43 %	
Maximum power voltage (Vmp)	31.44 V	
Maximum power current (Imp)	8.59 A	
Open circuit voltage (Voc)	38.45 V	
Short circuit current (lsc)	9.03 A	
*Standard Test Conditions: Irradiance: 1 000 W / m ² •		

tandard Test Conditions: Irradiance: 1 000 W / m Cell temperature: 25°C • AM: 1.5

ELECTRICAL DATA AT NOCT*

Power output (Pmax)	199.74 W
Maximum power voltage (Vmp)	29.04 V
Maximum power current (Imp)	6.87 A
Open circuit voltage (Voc)	35.51 V
Short circuit current (lsc)	7.33 A

*Nominal Operating Cell Temperature: Irradiance: 800 W / m² · Ambiant 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 lsc	+0.06%/°C

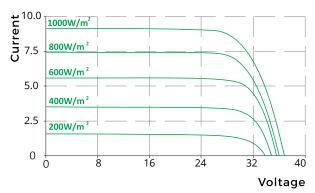
MAXIMUM RATINGS

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

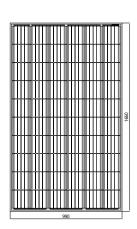
MECHANICAL CHARACTERISTICS

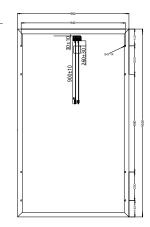
Cell type	Polycrystalline (156.75x156.75mm)
Number of cells	60
Dimensions	1660x990x50mm
Weight	19 kg
Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction box	IP67
Cable	0.9 m
Connector	MC4 or MC4 compatible

I-V CURVES



ENGINEERING DRAWINGS (mm)





PACKAGING

Туре	Pcs/ Type	Weight
Per pallet	21 pcs	470 kg
20ft GP Container	270 pcs	6.1 t
40ft GP Container	580 pcs	13.0 t
40ft HQ Container	630 pcs	14.1 t



Specifications included in this datasheet are subject to change without prior notice. Refer to our website for further information or contact one of our sales staff. www.eco.greenenergy.com