

EOS MONO

280-295W

158.75 mm Cell - 66 Cells



KEY FEATURES



PERC Cells Technology



Lower LCOE and BOS



Less Hot Spot Shading effects



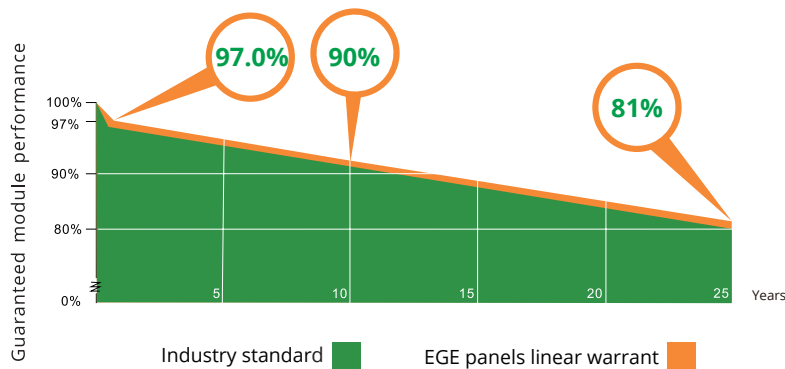
Anti PID/ Low LID protection



Lower temperature coefficient

LINEAR PERFORMANCE WARRANTY

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



66 Cells(5BB)

Monocrystalline Module



19.63%

Maximum Efficiency



0~+5W

Positive Power Tolerance



GRADE A

Cells Guaranteed

COMPREHENSIVE CERTIFICATES

IEC 61215/ IEC 61730 / IEC 61701 / IEC 62716

ISO 9001 : Quality Management Systems



ELECTRICAL DATA AT STC*

Power output (Pmax)	280 W	285 W	290 W	295 W
Power tolerance	0~+5 W	0~+5 W	0~+5 W	0~+5 W
Module efficiency	18.63%	18.96%	19.29%	19.63%
Maximum power voltage (Vmp)	36.89 V	37.11 V	37.28 V	37.48 V
Maximum power current (Imp)	7.59 A	7.68 A	7.78 A	7.87 A
Open circuit voltage (Voc)	43.79 V	43.96 V	44.10 V	44.28 V
Short circuit current (Isc)	8.15 A	8.25 A	8.36 A	8.46 A

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

ELECTRICAL DATA AT NOCT**

Power output (Pmax)	208.78 W	212.50 W	216.23 W	219.96 W
Maximum power voltage (Vmp)	34.58 V	34.79 V	34.95 V	35.14 V
Maximum power current (Imp)	6.03 A	6.10 A	6.18 A	6.25 A
Open circuit voltage (Voc)	40.61 V	40.77 V	40.90 V	41.06 V
Short circuit current (Isc)	6.63 A	6.71 A	6.80 A	6.88 A

**Nominal Operating Cell Temperature (NOCT) : Irradiance: 800 W / m² • Environment temperature : 20°C • AM : 1.5 • Wind speed : 1 m/s

MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline (158.75x128 mm)
Number of cells	66
Dimensions	1,500x1,002x35mm
Weight	16 kg
Glass	3.2 mm Tempered Glass, High Transmission (>94%), Anti-Reflective Coating
Frame	Anodized aluminium alloy
Junction box	IP68
Cable	4mm ² , 900mm (+) 900mm (-); Length can be customized
Connector	MC4 or MC4 compatible
Max front load (e.g.: snow)	5,400 Pa
Max back load (e.g.: wind)	2,400 Pa

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

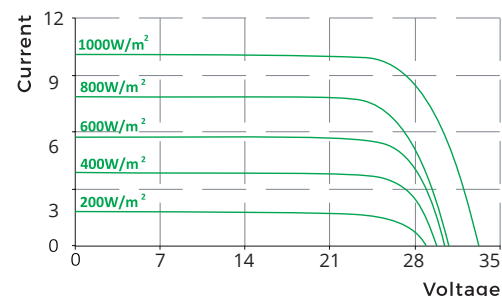
MAXIMUM RATINGS

Operating temperature range	-45 °C ~+85 °C
Maximum system voltage	1,500V/DC(IEC) 1,500V/DC(UL)
Max series fuse rating	25 A

PACKAGING (1,500x1,002x35mm)

Type	Quantity	Weight
Per pallet	31 pcs	525 kg
40ft HQ Container	924 pcs	15.65 t

I-V CURVES



Dimension of PV Module (mm)

