

EOS MONO

300-320W

158.75 mm Cell - 66 Cells



KEY FEATURES



PERC Cells Technology



Lower LCOE and BOS



Less Hot Spot Shading effects



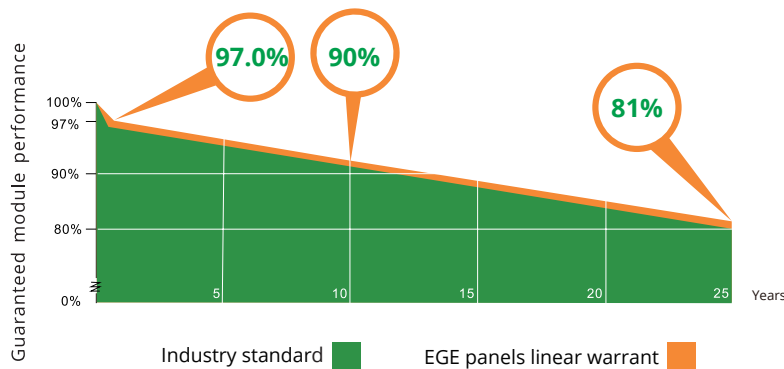
Anti PID/ Low LID protection



Lower temperature coefficient

LINEAR PERFORMANCE WARRANTY

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



66 Cells(5BB)

Monocrystalline Module



19.24%

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)	300 W	305 W	310 W	315 W	320 W
Power tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module efficiency	18.04 %	18.34 %	18.64 %	18.94 %	19.24 %
Maximum power voltage (Vmp)	36.50 V	36.66 V	36.82 V	36.97 V	37.12 V
Maximum power current (Imp)	8.22 A	8.32 A	8.42 A	8.52 A	8.62 A
Open circuit voltage (Voc)	43.83 V	43.98 V	44.13 V	44.28 V	44.44 V
Short circuit current (Isc)	8.77 A	8.87 A	8.97 A	9.07 A	9.17 A

*Standard Test Conditions (STC) : Irradiance : 1,000 W / m² • 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	238.60 W
Maximum power voltage (Vmp)	34.22 V	34.37 V	34.52 V	34.66 V	34.80 V
Maximum power current (Imp)	6.53 A	6.61 A	6.69 A	6.77 A	6.85 A
Open circuit voltage (Voc)	40.65 V	40.79 V	40.93 V	41.06 V	41.21 V
Short circuit current (Isc)	7.13 A	7.21 A	7.29 A	7.37 A	7.45 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 (158.75x142 mm)
Number of cells	66
Dimensions	1,660x1,002x35mm
Weight	18 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

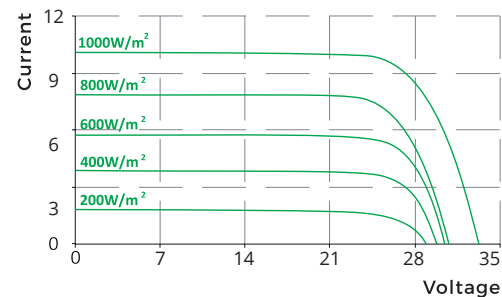
MAXIMUM RATINGS

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 (1,660x1,002x35mm)

Type	Quantity	Weight
Per pallet	31 pcs	590 kg
40ft HQ Container	924 pcs	17.59 t

I-V CURVES



Dimension of PV Module (mm)

