



25 YEAR LINEAR PERFORMANCE WARRANTY
AND 10 YEAR PRODUCT WARRANTY



POSITIVE POWER
TOLERANCE 0 TO +5W



TYPE 1 FIRE CLASSIFICATION



WIND/SNOW LOAD
CAPABILITY UP TO 5400PA



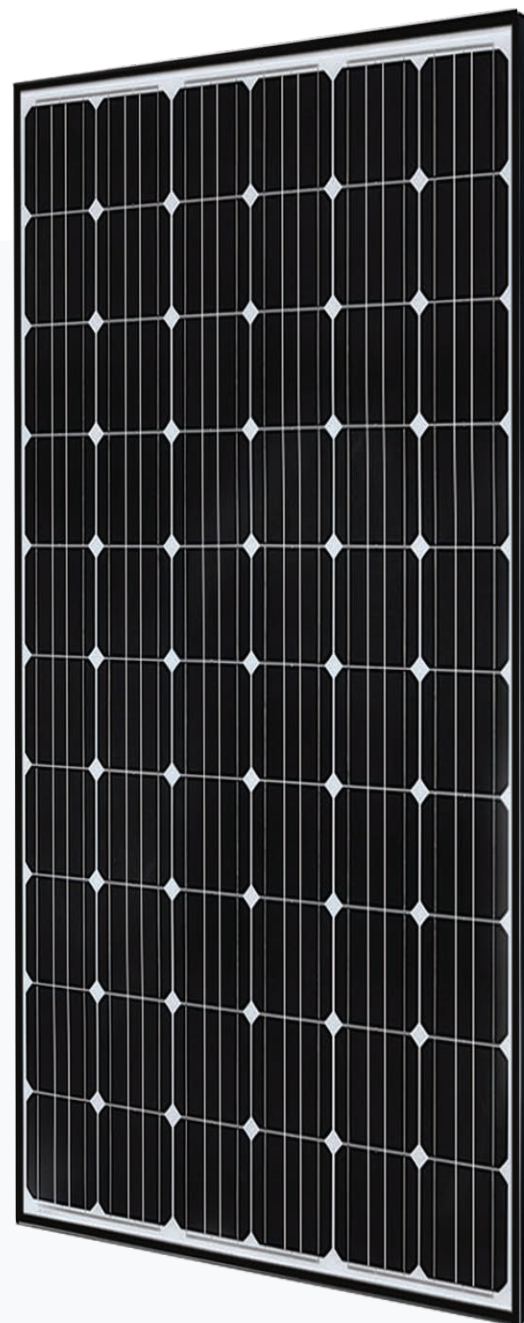
AMMONIA & SALT
RESISTANT



ANTI-REFLECTIVE
GLASS COATING



PID FREE



E-Series Monocrystalline

Quality Engineering: Modules are manufactured with the highest quality and tested under our strictest quality standards to ensure a world class product.

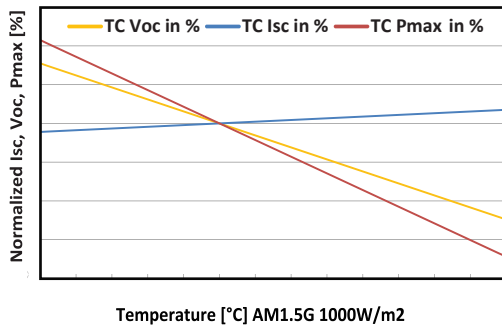
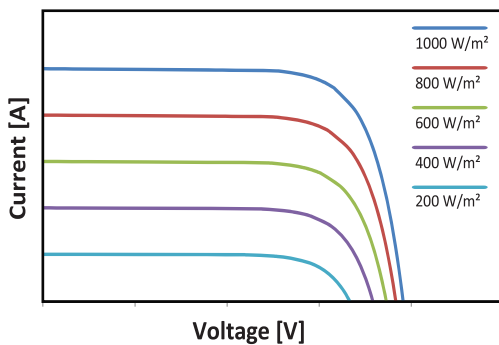
Warranty: Centrosolar guarantees a maximum performance digression of 0.7% p.a. in the course of 25 years, a significant added value compared to the two-phase warranties common in the industry, along with our 10 year product warranty.

Independent Testing: Products are tested by third parties.

Technical Data

Module Type	EM60 280BW	EM60 285BW	EM60 290BW
Peak Power (Pmax) *Watts	280	285	290
Module Efficiency	17.21%	17.52%	17.83%
Cell Type	Monocrystalline Silicon		
Number of Cells in Series	60		
Frame/Backsheet Colors	Black/White		
Power Tolerance	0 / +5 W		
Voltage at Maximum Power (Vmp)	31.01	31.85	31.12
Current at Maximum Power (Imp)	9.03	8.95	9.03
Open Circuit Voltage (Voc)	39.26	39.18	39.68
Short Circuit Current (Isc)	9.23	9.46	9.59
Series Fuse (Amps)	15		
Maximum System Voltage: Vdc	1000		
Temperature Coefficient (Pmax): %/degree C	-0.42		
Temperature Coefficient (Voc): %/degree C	-0.30		
Temperature Coefficient (Isc): %/degree C	0.05		
NOCT: degrees C	44.4+/-2		
Mechanical Load	5400Pa (112 lb/ft ²)		
Weight in lbs (kg)	40.79 lbs/18.5 kg		
Connector Plug Type	MC4 Compatible		

*The above specifications are obtained under the Standard Test Conditions (STC) Irradiation:1000W/m², cell temperature 25°C, Air Mass (A.M) 1.5

DEPENDENCE ON TEMPERATURE

DEPENDENCE ON IRRADIANCE

MECHANICAL SPECIFICATIONS
