



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



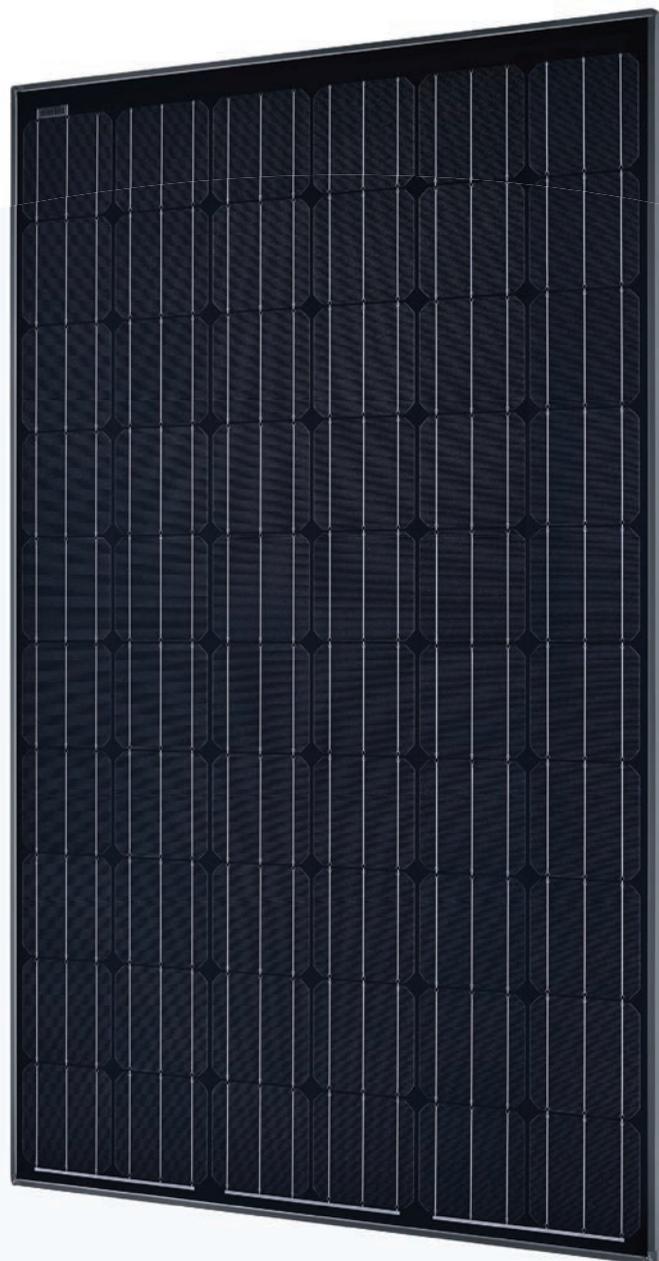
AMMONIA & SALT  
RESISTANT



ANTI-REFLECTIVE  
GLASS COATING



PID FREE



## C-Series HE Monocrystalline

**World Class PERC Technology:** New cell architecture improves the capture of light and optimizes cell performance, thus guaranteeing higher efficiency modules.

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

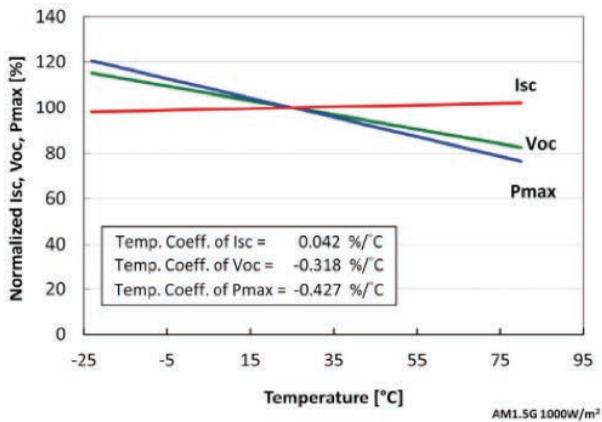
**Warranty:** Centrosolar guarantees a maximum performance digression of 0.7% p.a. in the course of 25 years, a significant added value compared to the two-phase warranties common in the industry, along with our 10 year product warranty.

**Independent Testing:** Products are tested by third parties.

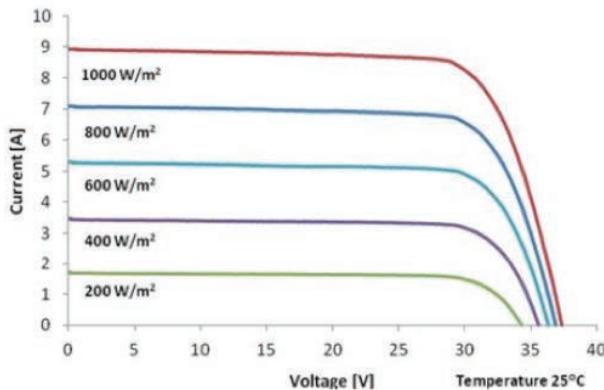
Technical Data

Module Type	CM60 280BB	CM60 285BB	CM60 290BB
Peak Power (Pmax) * Watts	280	285	290
Module Efficiency	17.2%	17.5%	17.8%
Cell Type	Monocrystalline Silicon		
Number of Cells in Series	60		
Frame/Backsheet Colors	Black/Black		
Power Tolerance	-0 / +5 W		
Voltage at Maximum Power (Vmp)	31.69	31.81	32.02
Current at Maximum Power (Imp)	8.84	8.96	9.06
Open Circuit Voltage (Voc)	39.05	39.16	39.31
Short Circuit Current (Isc)	9.39	9.49	9.59
Series Fuse (Amps)	15		
Maximum System Voltage: Vdc	1000		
Temperature Coefficient (Pmax): %/degree C	-0.427		
Temperature Coefficient (Voc): %/degree C	-0.318		
Temperature Coefficient (Isc): %/degree C	+0.042		
NOCT: degrees C	46 +/--2		
Mechanical Load	5400Pa (112 lb/ft <sup>2</sup> )		
Weight in lbs (kg)	40.8 (18.5)		
Connector Plug Type	MC4 Compatible		

DEPENDENCE ON TEMPERATURE



DEPENDENCE ON IRRADIANCE



MECHANICAL SPECIFICATIONS

