

250-285 WATT



MONOCRYSTALLINE ETERNITY SOLAR MODULE



Monocrystalline Module

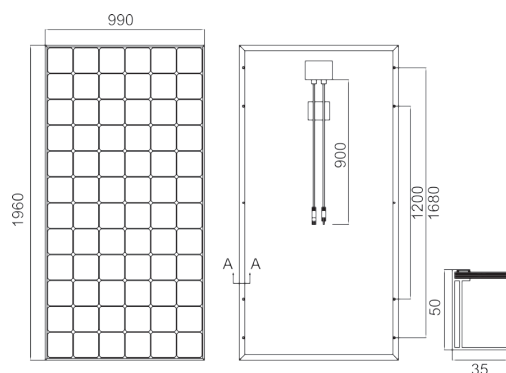
	250W	285W
Reference	8.250MEB	8.285MEB
Standard Test Conditions (STC)		
Maximum Power Voltage - U_{MPP} (V)	30.80	36.50
Maximum Power Current - I_{MPP} (A)	8.46	8.22
Open Circuit Voltage - U_{OC} (V)	37.90	45.50
Short Circuit Current - I_{SC} (A)	8.78	8.81
Module Efficiency - η (%)	16.00	15.50
Maximum Power (NOCT) - P_{MAX} (W)	+5% more power than other modules	
Maximum System Voltage - U_{MAX} (V)	1000 V DC (IEC)	
Maximum Power Tolerance	0 to +6% (more than 10 Watts)	

STC: Irradiance of 1000 W/m², solar spectrum of AM 1.5, module temperature 25°C

General Characteristics

	250W	285W
Dimensions (mm)	1640 x 992 x 40	1960 x 990 x 50
Weight	19.5 Kg	22 Kg
Cell Type / Matrix	M/60 (6x10)	M/72 (6x12)
Frame	Anodized aluminium alloy, black	
Operating Temperature	-40°C to +85°C	
Junction Box / No. of Diodes	IP65 / 6	
Cable Length / Section	900 mm / 4 mm ²	
Maximum Series Fuse	15 A	
Front Glass	3.2 mm tempered glass	
Connectors	MC4 compatible	
Wind / Snow Load	5400 / 2400 Pa	

Engineering Drawing

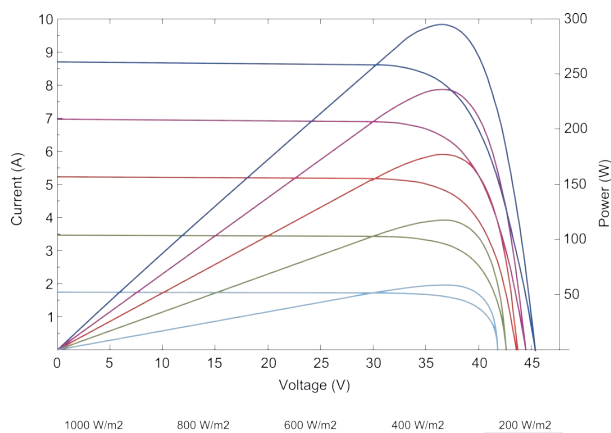


Caution: Read safety and operating instructions before use.

Important Notice

Information on how to install and operate this product is available in the installation instructions. All values indicated in this data sheet are subject to change without prior notice.

I-V & V-P Curves



Temperature Coefficients

Normal Operating Cell Temp. (NOCT)	45 °C ± 2 °C
Temp. Coefficient of P_{MAX}	-0.45 %/°C
Temp. Coefficient of I_{SC}	0.05 %/°C
Temp. Coefficient of U_{OC}	-0.35 %/°C

Packaging Configuration

Modules per pallet	25 / 20 pcs
Modules per 40' HQ container	700 / 560 aprox pcs

Warranty Information

25 year power output warranty:	- Min 100% within 2 years - Min 95% within 10 years - Min 90% within 25 years
12 year product warranty	

Certification



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BENEFITS OF USING OUR PREMIUM RANGE .833 ETERNITY

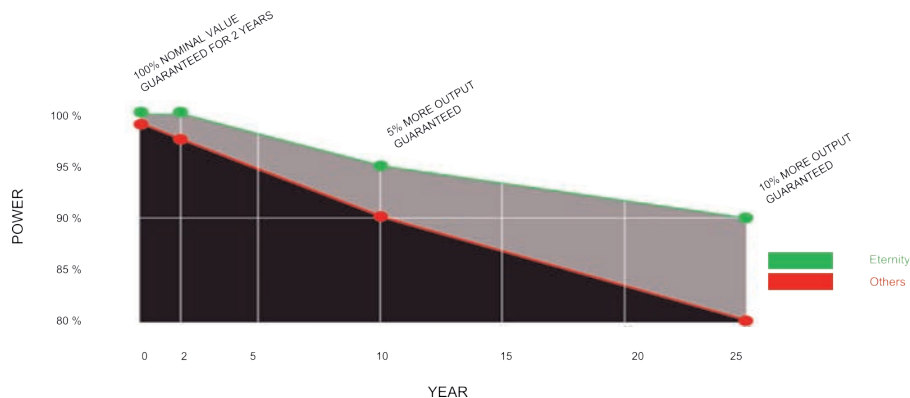


Our new 833 Eternity range sets a trend for life. Our modules have an average 4% positive tolerance. Eternity gives you +10Watts always.

BEST POSSIBLE ENERGY PRODUCTION UNDER NORMAL OPERATING CONDITIONS (NOCT) OUR PANELS GENERATE 5% MORE ENERGY THAN THOSE OF OUR COMPETITORS	ZERO MICRO-CRACKS STANDARD MODULES HAVE 3% MICRO-CRACKS DEFECTS. OUR MODULES SIMPLY HAVE ZERO
LOW OXYGEN CONCENTRATION OUR MODULES ARE MANUFACTURED WITH SPECIAL MATERIALS THAT TRANSLATE INTO HIGHER ENERGY PRODUCTION AND MORE STABLE POWER OUTPUT OVER THEIR LIFETIME	LEADING WARRANTY OUR MODULES OFFER THE HIGHEST WARRANTY IN THE MARKET: 25 YEAR POWER OUTPUT WARRANTY. A. 100 % 2 YEARS B. 95% 10 YEARS C. 90% 25 YEARS D. 12 YEAR PRODUCT WARRANTY

ETERNAL LIFE

FIRST 2 YEARS 100% OF NOMINAL POWER

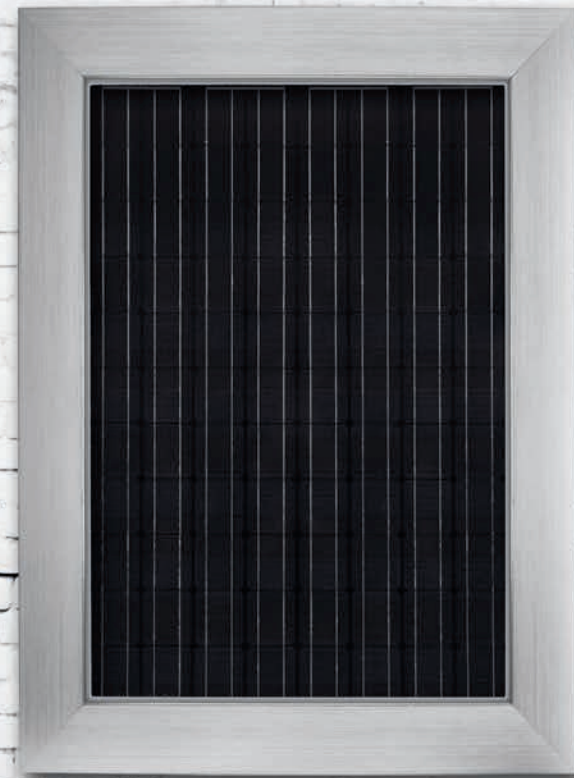


WATTS+EFFICIENCY+YIELD+COST EFFECTIVE
YOU GET MORE THAN YOU PAY FOR



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TOMORROW'S TECHNOLOGY TODAY



ETERNITY PREMIUM RANGE

INSPIRED SOLAR TECHNOLOGY

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