


250-285 WATT

MONOCRYSTALLINE ETERNITY SOLAR MODULE

Monocrystalline Module	250W	285W	
Reference	8.250MEB	8.285MEB	

Standard Test Conditions (STC)

Maximum Power Voltage V_{mpp} (V)	30.50	36.50
Maximum Power Current $-I_{mpp}$ (A)	8.20	8.22
Open Circuit Voltage $-V_{oc}$ (V)	38.20	45.50
Short Circuit Current $-I_{sc}$ (A)	8.71	8.81
Module Efficiency η (%)	15.27	15.50
Maximum System Voltage $-U_{max}$ (V)	1000 V DC (IEC)	
Maximum Power Tolerance (%)	0% to 6% more than 10 watts	

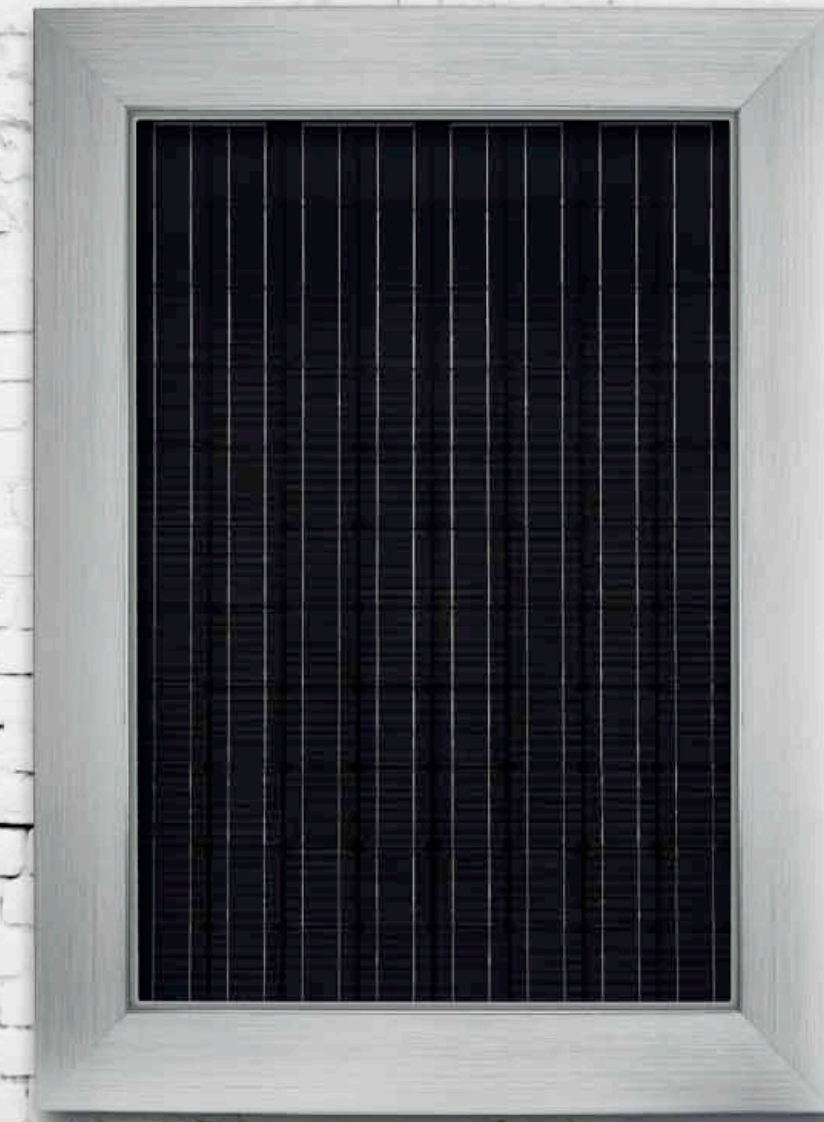
STC: Irradiance of 1000 W/m², solar spectrum of AM 1.5, module temperature at 25°C

General Characteristics

	250w	285W
Dimensions (mm)	1640 x 992 x 40	1960 x 990 x 50
Cell Type / Matrix	Mono 156 x 156 / 60 (6x10)	Mono 156 x 156 / 72 (6x12)
Weight	18.9 kg	26 kg
Frame	Anodized aluminium alloy	
Operating Temp	-40°C ~ +85°C	
Junction Box / No. of Diodes	IP65 / 6	
Cable Length / Section	900 mm / 4 mm ²	
Maximum Series Fuse	15 A	
Front Glass	3.2mm Tempered Glass	
Wind / Snow Load	5400 / 2400 PA	
Connectors	MC4 compatible	



TOMORROW'S TECHNOLOGY TODAY



DELIVERIES

OUR STOCK IS AVAILABLE THROUGHOUT EUROPE SUPPORTED BY A SPEEDY DELIVERY FROM OUR WAREHOUSES LOCATED IN UNITED KINGDOM, GERMANY, ITALY, SPAIN, USA, HOLLAND, BELGIUM, AND SWITZERLAND

Accreditations and Memberships



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ETERNITY PREMIUM RANGE

INSPIRED SOLAR TECHNOLOGY





833 Solar serves the global photovoltaic industry through our innovative and high quality product.

Manufacturing everything from silicon ingots, wafer, cells and solar PV modules we are able to ensure strict quality control throughout the integrated value chain.

Continuous innovation and R&D enables us to adapt to changing market demands and consistently deliver to our customers

833 ETERNITY RANGE

These modules are manufactured using wafers with low dissolved oxygen concentration which allows us to produce high efficiency solar cells that exhibit attenuated light induced degradation effect (LID)

- **Low oxygen concentration**
- **Average Positive Tolerance up to 6%** (10 watts extra per module)
- **Current sorting**
- **Multi step warranty**

THE LID EFFECT

All cells oxidize causing cell deterioration and therefore produce less energy, this is called the LID effect (Light Induced Degradation)

833 SOLAR SOLUTION TO LID

Controlling oxygen concentration in the silicon ingot and wafer manufacturing process allows us to reduce the LID effect so the cells produce higher and more stable power output over their lifetime, thus generating more benefits to our clients.

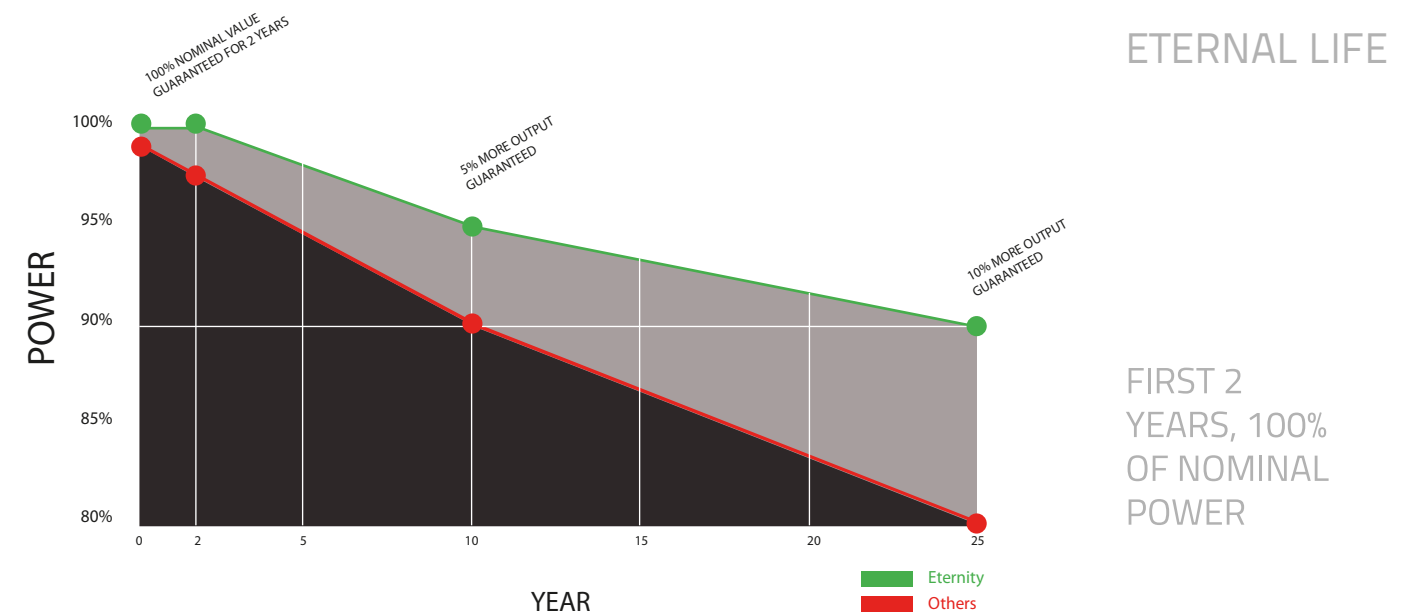
MORE LIGHT=MORE POWER= MORE BENEFITS

BENEFITS OF USING OUR PREMIUM RANGE . 833 ETERNITY



Our new 833 Eternity range sets a trend for life. It comes with an average of 4% higher positive tolerance up to 6% in best cases. (10 watts extra per module)

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



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