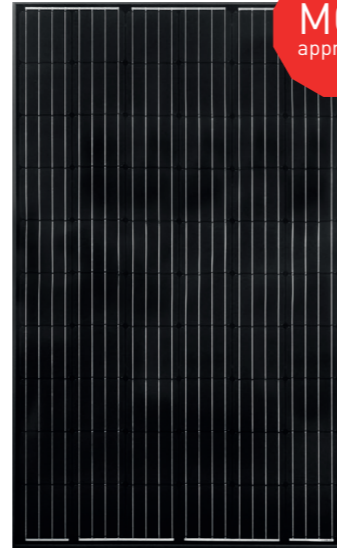


ETERNITY PREMIUM RANGE

285 WATT 60 CELLS

Electrical Parameters

	STC ¹	NOCT ²
P _{max}	285	212
Maximum Power Voltage V _{mpp} (V)	31.88	28.89
Maximum Power Current -I _{MPP} (A)	8.94	7.34
Open Circuit Voltage - V _{oc} (V)	39.70	36.47
Short Circuit Current - I _{sc} (A)	9.47	7.79
Module Efficiency η (%)	17.59%	
Maximum Power Tolerance	0 ~ +10W	



STC ¹ = Irradiance of 1000 W/m², solar spectrum of AM 1.5, module temperature 25°C

NOCT ² = Irradiance of 800 W/m², solar spectrum of AM 1.5, ambient temperature 20°C, wind speed 1m/s.

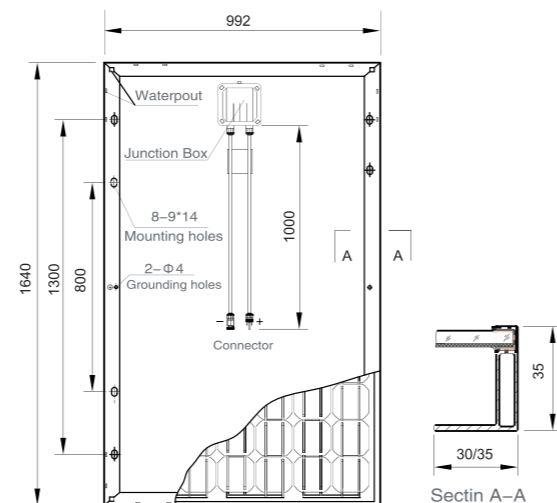
General Characteristics

Dimensions (mm)	1640 x 992 x 35
Cell Type / Matrix	Mono 156 x 156 mm / 60 (6x10)
Weight	18 Kg
Frame	Anodized aluminium alloy, black
Operating Temperature	-40°C to +85°C
Junction Box / No. of Diodes	IP67 / 3
Cable Length / Section	900 mm / 4 mm
Maximum Series Fuse	15A
Front Glass	3.2 mm tempered glass
Wind / Snow Load	5400 / 2400 Pa
Connectors	MC4 compatible
Maximum System Voltage	DC 1000V (IEC)

Temperature Coefficients

Nominal Operating Cell Temp. (NOCT)	45°C ±2°C
Temp. Coefficient of P _{MAX}	-0.390 %/°C
Temp. Coefficient of I _{sc}	+0.060 %/°C
Temp. Coefficient of U _{oc}	-0.300 %/°C

Engineering Drawing



Accreditations and Memberships



Spain - Head Office

Table Trading S.L.
C/Central N° 13 Torre Godoy
30100 Espinardo.Murcia, Spain

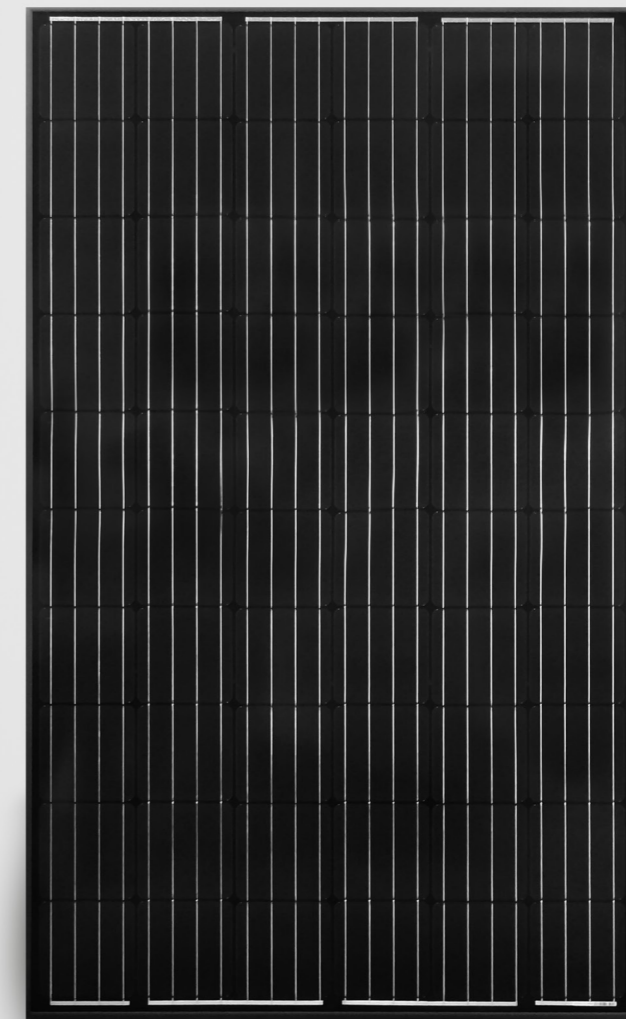
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Email: info@833solar.com

www.833solar.co
www.833solar.com

833®

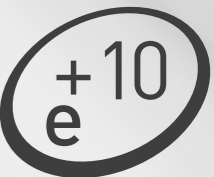
833®

8.33 IS ALWAYS MORE



285W ETERNITY CONCENTRATED POWER

MORE POWER, SAME SPACE, MORE EFFICIENT.



285W ETERNITY CONCENTRATED POWER

8.33 Solar is a European brand with years of experience in the UK market. Our solar modules have been specially developed for this market to satisfy the needs of our 8.33 Official Installers and their customers.

8.33 Solar has the lowest incidence of product defects in the sector: 0,0018%. That's because we take our promise of RELIABILITY seriously. We have a strengthened distribution network across the UK composed of the best photovoltaic suppliers from all over the country.

8.33 Solar can boast thousands of projects installed and functioning as expected since 2010 and a high level of installer loyalty: our installers use our brand year after year as they trust that our brand delivers safety, service and quality.

WHY ARE WE LAUNCHING THE ETERNITY 285W MODULE?

- It reduces the pv installation area needed by 13%
- 285W Eternity uses 3.3m² less than standard 250W
- Ideal for roofs with limited space orientation
- Perfect combo with micro-inverters

HOW HAVE WE MANAGED IT?

By using the most efficient technology available in our cells which allows us to maintain all the characteristics of the ETERNITY RANGE concentrating **more power in the same space.**

WHY NOW?

8.33 Solar has waited to introduce the Eternity 285w module to the market until **we were sure that we could offer the same product and power warranties** that we offer with all other modules in the Eternity Range.

NOT JUST A STANDARD 285W MODULE

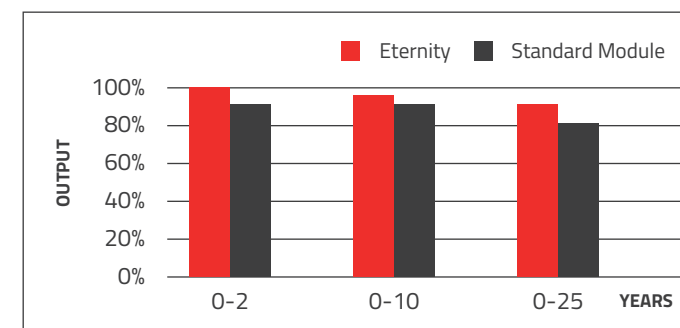
IT'S SOMETHING MORE. WE ARE PROUD TO INTRODUCE THE ALL BLACK ETERNITY 285W.

	ETERNITY BENEFITS	REST OF PREMIUM BRANDS
Power Warranty (10% more)	✓ 100% during the first 2 years	97% during the first 2 years
Product guarantee (10 years more)	✓ 20 Years	10 Years
Cell degradation (10% less)	✓ 0.54%	0.70%
Product Defects (20% lower)	✓ 0.0018%	0.0038%
Positive tolerance (5 Watts more)	✓ 10W	Maximum 5W
Stylish module	✓ Frame and backsheet black	Backsheet White
Test	✓ Double test zero micro cracks (<3%)	Standard Test

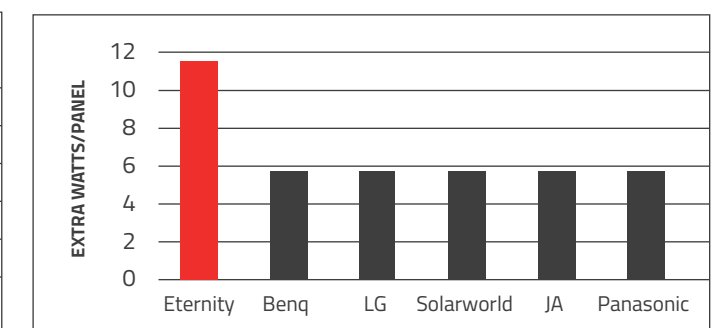
8.33 Solar develops its products in collaboration with a selection of 8.33 Official Installers. We have worked with them to design modules that produce more power to allow us to reduce the area of installation making this a viable solution in all types of installation areas.

>> 8.33 VS Other Premium Brands

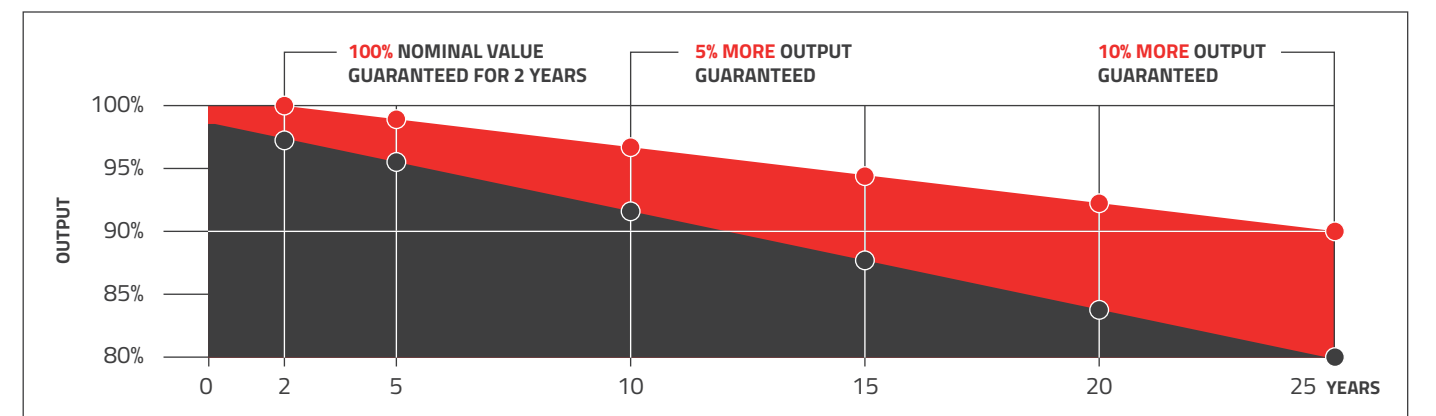
+ Product warranty



+ We give more watts per module*



+ Power warranty



* all information used in the preparation of this graph has been sourced from the commercial datasheets provided by the suppliers shown.