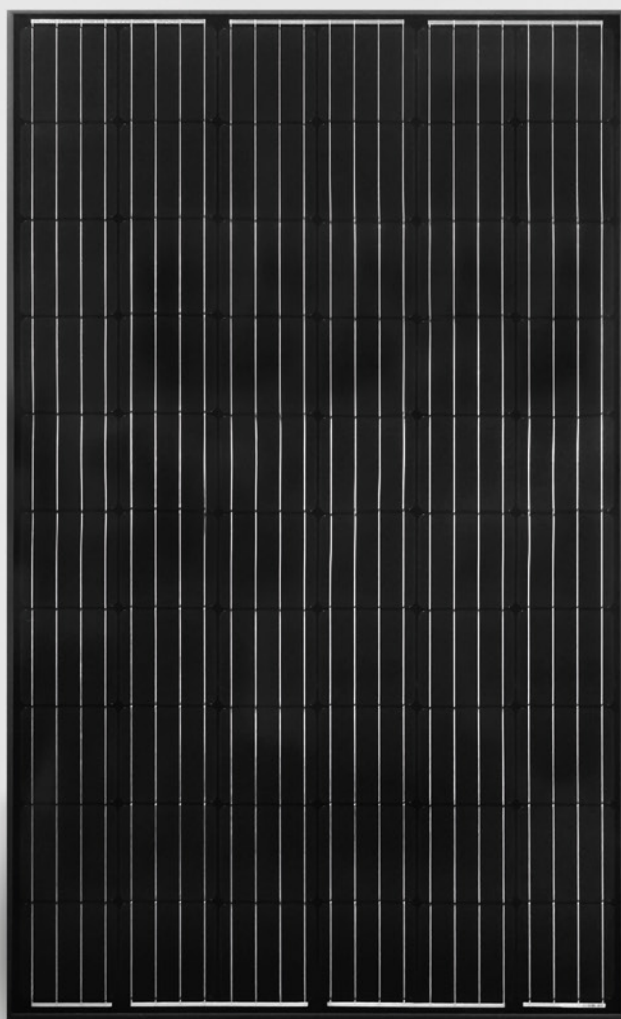


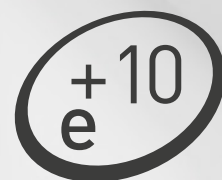
8.33 IS ALWAYS MORE



285W ETERNITY CONCENTRATED POWER

MORE POWER, SAME SPACE, MORE EFFICIENT.

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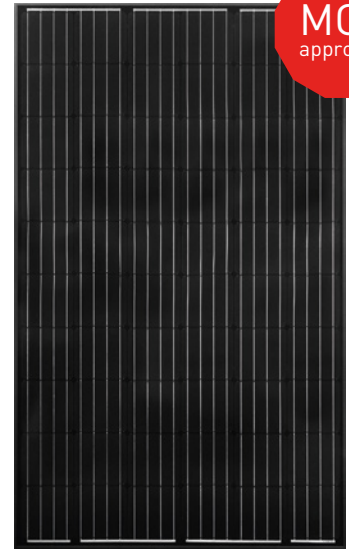
ETERNITY PREMIUM RANGE

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



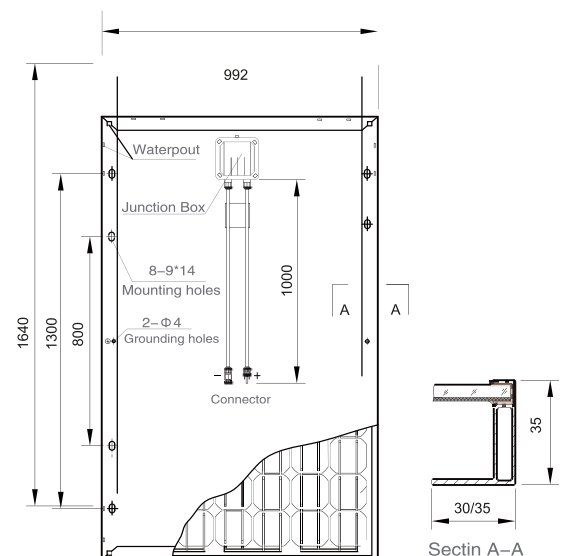
Dimensions (mm)	1640 x 992 x 35
Cell Type / Matrix	Mono 156 x 156 mm / 60 (6x10)
Weight	18 Kg
Frame	Anodized aluminium alloy, black
Operating Temperature	-40°C to +85°C
Junction Box / No. of Diodes	IP67 / 3
Cable Length / Section	900 mm / 4 mm
Maximum Series Fuse	15A
Front Glass	3.2 mm tempered glass
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



Warranty Information

30 year power output warranty	Min 90% within 10 years
12 year product warranty	Min 80% within 25 years

Accreditations and Memberships



BABT 8761 R1

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