

Datasheet

180W solar module

Designed to deliver

The Solarcentury 180Wp solar module combines attractive design and high efficiency. Designed to the highest specifications the SC-M180 is the latest product from the UK's most experienced solar energy company.

The SC-M180 utilises 72 highly efficient monocrystalline solar cells on an all-black backsheet, within an attractive and robust black anodised frame.

This fully certified module is compatible with a wide range of mounting systems and is ideal for residential or commercial applications where power density and aesthetics are key considerations.

High Efficiency:

Highly quality monocrystalline cells delivering a module efficiency of 14.3%

Attractive Design:

All black module, with anodised frame complements the black monocrystalline cells with the black tedlar backing



Quality you can trust:

- Designed and certified to support loads up to 5400 Pa, double the minimum IEC standard.
- Quality push click connectors for fast and reliable installations
- 5 year product guarantee
- 10 year performance guarantee for a power output of 90%
- 25 year performance guarantee for a power output of 80%



solarcentury

intelligent generation™

180W solar module

Electrical Specification*

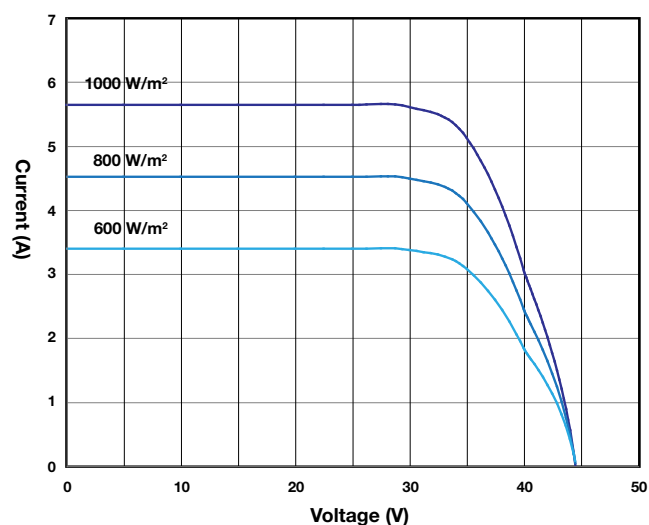
Photovoltaic cell technology	Monocrystalline
Number of cells	72
Cell Dimensions (mm)	125 x 125mm
Module efficiency	14.31%
Peak power ⁽¹⁾ (Wp) (Pmax)	180Wp
Tolerance	5+/- %
Maximum power voltage* (Vmp)	36.80V
Maximum power current* (Imp)	4.90A
Open circuit voltage* (Voc)	44.3V
Short circuit current* (Isc)	5.62A
Maximum system voltage (Vdc)	1000V
NOCT	46.00°C +/- 2%
Temperature coefficient of the power	-0.46%/°C
Temperature coefficient of the open-circuit voltage (Voc)	-0.384%/°C
Temperature coefficient of the short-circuit current (Isc)	0.031%/°C

(1) Measured under Standard Test Conditions of 1000W/m² irradiance, AM 1.5 spectrum, 25°C cell temperature.

Physical Specification

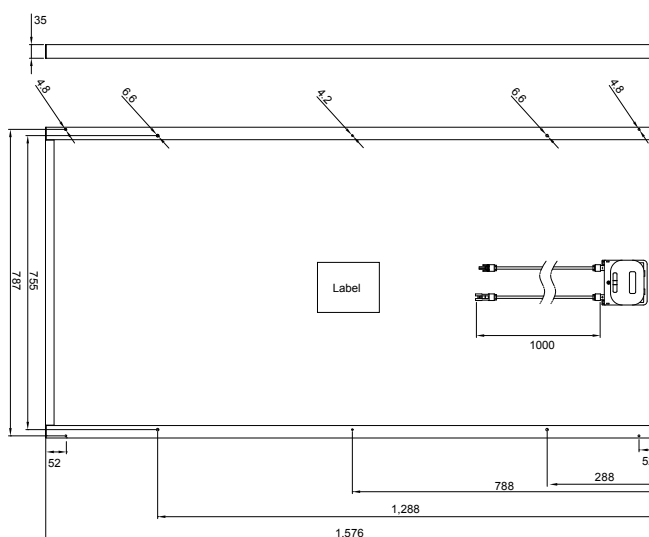
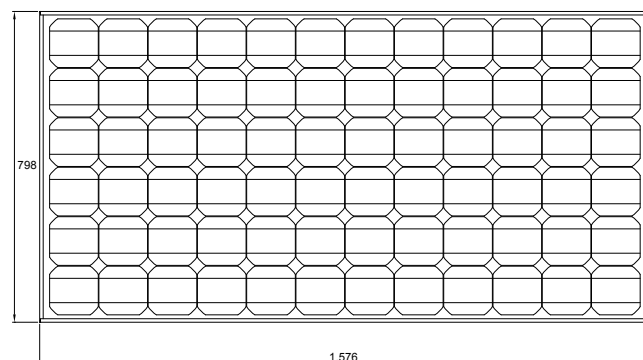
Gross Width	798mm
Gross Length	1576mm
Profile Depth	35mm
Unit weight	14.5kg
Junction Box: Tyco, IP-65	
Output cables: 1000mm length/MC4 (TUV)	
Frame: Black, anodized aluminium, double wall	

IV Curve Parameters



Tested Operating Conditions

Temperature	-40C to +85C
Maximum load (e.g. wind/snow)	5400Pa.
Impact resistance	Hail: 25mm, velocity: 23 m/s



Warranty

Power output guaranteed for 25 years from date of commissioning (80% performance)

5 year product warranty.

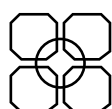
Certifications

IEC 61215

Safety tested: IEC 61730

Class C Fire rating

Manufactured under ISO 9001



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