

Quality PV Modules manufactured in Wales

A custom, high quality crystalline silicon cell module, produced at our Treforest production facility. These products can be provided as a conventional framed panel or as a laminate for BIPV use, typically in conjunction with our RIS in-roof system.

Supplied in either silver framed white background or the popular black framed black panel versions.

We operate a Low Carbon Supply Chain utilising local suppliers wherever possible and have been manufacturing quality British panels in the South Wales area since 1994.

Specification

60 connected high efficiency monocrystalline silicon cells.

4mm low iron toughened glass maximising panel efficiency and strength.

(Many competitors only use 3.2mm thick glass)

Fitted with an anodised aluminium frame or EPDM edge gasket if supplied as a laminate frameless version for our RIS system .

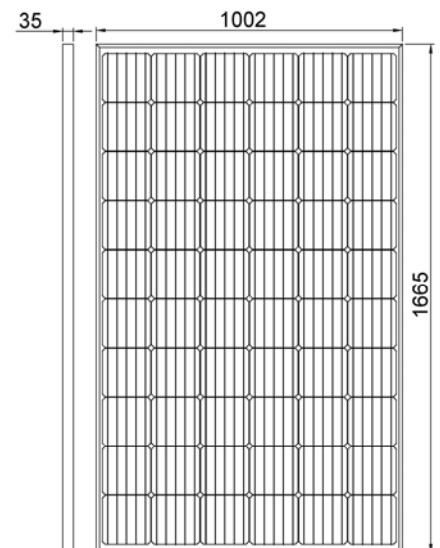
IP65 Junction Box including bypass diodes

1.5m 2x4mm cable terminated to MC4 connectors

High strength design with maximum surface loading, tested up to 5400 Pa.

Typical Electrical Characteristics

	310W	325W
Maximum Power (Pmax)	310	325
Voltage at Max Power (Vmp)	34.5	35.1
Current at Max Power (Imp)	9.0	9.2
Voltage at open Circuit (Voc)	40.7	42.7
Current at short circuit (Isc)	9.4	9.9
Cell Efficiency (%)	22.2	22.1
Panel Efficiency (%)	18.7	19.6
Temp. Co-eff. Current (%/C)		0.05
Temp. Co-eff. Voltage (%/C)		-0.33
Temp. Co-eff. Power (%/C)		-0.42
Operating Temperature	-40° +85° C	
Bypass Diodes	3	
Dimensions	1665mm (L) x 1002mm (W) x 35mm (D) 1658mm (L) x 995mm (W) x 6mm (D) + terminal box if a laminate).	
Weight	16.8kg (framed version)	
Quality	Manufactured in our ISO 9001-2015 certified factory. Complies with TUV SUD accreditation, IEC 61215 and IEC 61730 MCS accredited BAPT 8501	



Warranties

Freedom from defects in materials and workmanship for 10 years.

Electrical performance: 90% of output power for 10 years and 80% for 25 years

Power data stated to -1/+5%. All other data stated to STC,

Products are under continuous development and may be subject to change.
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Version 2021/1