



GB-Sol Module Datasheet



Power and Flexibility: Customisable Modules from the UK's Module Manufacturer

Quality PV Modules manufactured in the UK

- Customisable: Made to order modules, meaning we can make the perfect size and shape module for your application.
- Aesthetic: Available in black, white and clear back-sheets and framed in a RAL colour of your choose (or silver).
- Powerful: We can tailor our modules to your technical requirements, giving you maximum power and reliability for your application.
- Reliable: GB-Sol has been manufacturing in our South Wales ISO 9001 factory since 1994, 25 years of PV know-how.
- Versatile: Available framed or as a laminate (for roof integrated systems).

Specification

Monocrystalline high efficiency 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 edge gasket if supplied as a laminate.
 High strength design with maximum surface loading, tested up to 5400 Pa.



Electrical Characteristics

	170W	230W	255W	285W	335W
Number of Cells	36	48	54	60	70
Nominal Power (Pmax)	170	230	255	285	335
Voltage at Max Power (Vmp)	20.3	27.0	30.4	33.8	39.4
Current at Max Power (Imp)	8.6	8.6	8.6	8.6	8.6
Voltage at Open Circuit (Voc)	25.1	32.1	36.1	40.1	46.8
Current at Short Circuit (Isc)	9.0	9.0	9.0	9.0	9.0
Cell Efficiency (%)	21.3	21.3	21.3	21.3	21.3
Panel Efficiency (%)	17.9	17.7	17.6	17.8	18.0
Bypass Diodes	2	3	3	3	3
Dimensions (mm - Laminate)	1452x655	1322x981	1478x981	1633x981	1633x1139
Weight (kg - Laminate)	10	13	14	16	19
Max System Voltage	1000				
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				
Country of Manufacture	UK				
Product Warranty (Years)	10				
Power Warranty	90% Over 10 Years, 80% over 25 Years				
Quality	Manufactured in our ISO 9001-2015 certified factory. Complies with TUV SUD accreditation, IEC 61215 and IEC 61730				

Notes

Positive Power Tolerance -0% / +5%
 All above data based on Standard Test Conditions
 Other modules are available with differing number of or cut cells, contact us for more information

