GBS320 mono data sheet

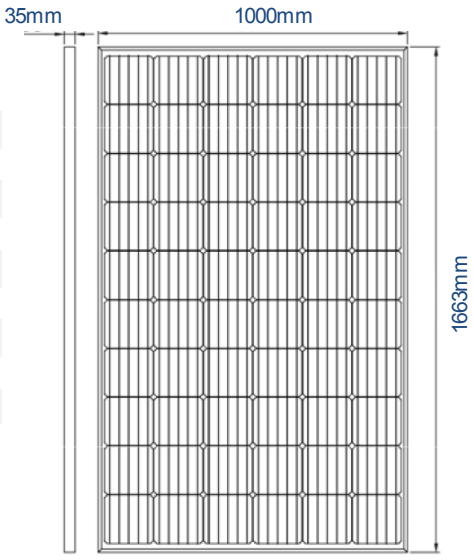
GB·SOL

Quality solar PV panels manufactured in Wales

Produced at our Treforest production facility, this panel is available in both silver and black anodised frames or as an unframed laminate. GB-Sol has been producing solar panels in South Wales since 1994 and uses local suppliers wherever possible.

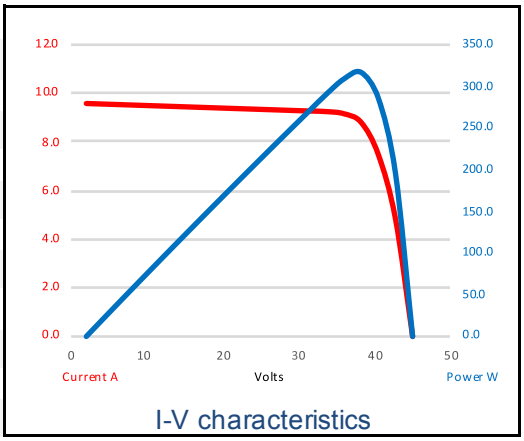
Specification

Dimensions (framed)	1663mm x 1000mm x 35mm
Weight	20.1kg
60 high efficiency monocrystalline silicon cells	
4mm low iron toughened glass	
thicker and stronger than most solar panels	
35mm anodised aluminium frame	
IP65 junction box	
2x 1.0m of 4mm leads with MC4 type connectors	
Wind and snow loads up to 5400Pa	
Operating temperature range	-40°C to +65°C



Typical Electrical Characteristics

Maximum power voltage Vmax	Pmax (W)	320
Maximum power tolerance	-5% to +10%	
Module efficiency		19.2%
Maximum power voltage	Vmax (V)	35.2
Maximum power current	Imax (A)	9.1
Open circuit voltage	Voc (V)	40.7
Short Circuit Current	Isc (A)	9.5
Maximum system voltage		1000V
Bypass diodes	3 no.	15A
Temperature coefficient - power	(%/°C)	0.05
Temperature coefficient - voltage	(%/°C)	-0.33
Temperature coefficient - current	(%/°C)	-0.42



I-V characteristics

All characteristics stated as at Standard Test Conditions, 25°C, 1000W/m^2, AM 1.5
Manufactured in our ISO 9001 certified factory
Certification by TÜV SÜD - IEC 61215, IEC 61730, MCS, CE

Warranties

Product warranty 10 years
Performance warranty of >90% for 10 years and >80% for 25 years
Subject to GB-Sol Ltd standard terms & conditions