

GB-SOL125



A quality, accredited PV module from the UK

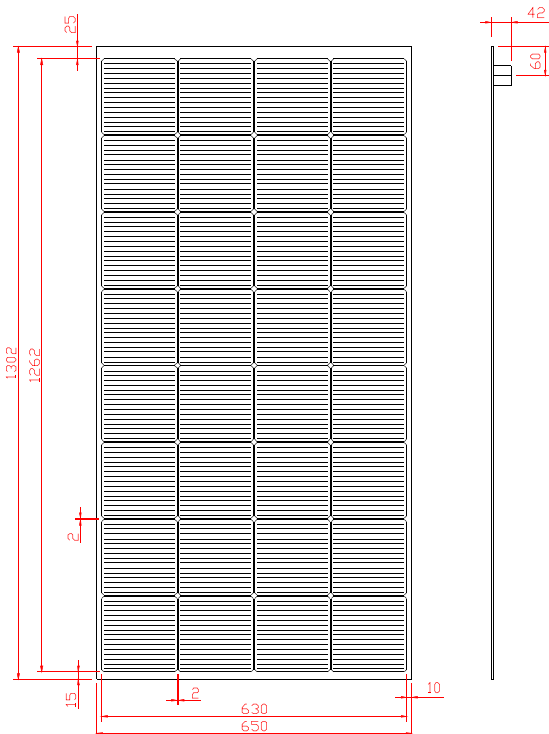
- ☞ $\pm 3\%$ power output tolerance ensures high current yields
- ☞ Power warranty for 25 years
- ☞ Waterproof versatile junction box provides flexibility of connections
- ☞ High quality mono-crystalline silicon cell module
- ☞ Framed in a purpose-designed aluminium extrusion for ease of mounting
- ☞ Made in the UK

Mechanical Data (Framed Panel)

Length: 1306 mm
Width: 654 mm
Depth: 42 mm
Weight: 15 kg
Connection: 1 GB-SOL junction box with bypass diodes
Cable: MC cable 500 mm
Front glass: Low iron (optiwhite) glass 4 mm thick.
Cells: 32 of monocrystalline 156 x 156 mm
Encapsulation: EVA (Ethylene Vinyl Acetate)
Backing: Tri-Wall Tedlar foil

Dimension of laminate without frame:

Length: 1302 mm
Width: 650 mm
Depth: 42 mm
Weight: 12.5 kg



Electrical Data

Rated power, $P_{max}(\pm 3\%)$:	125Wp
Rated voltage V_{mpp} :	16.5V
Rated current I_{mpp} :	7.6A
Open circuit voltage V_{oc} :	20.0V
Short circuit current I_{sc} :	8.17A
Cell efficiency:	16.6%
Module efficiency:	14.4%

Temperature coefficients:

Power:	-0.43 %/K
Current:	+2.50 mA/K
Voltage:	-2.12 mV/K

These values are taken at STC, radiation of 1000 W/m^2 , AM 1.5 and a cell temperature of 25°C .

Allowable operating conditions

Maximum temperature range: -40°C to $+85^\circ\text{C}$
Hail: up to 28mm diameter and 86 km/h impact speed
Surface maximum load capacity: evenly up to 240 kg/m^2 .

Certificates

The module is tested to TÜV, IEC 61215. ISO 9001

Guaranteed power output

After 10 years the module power output above 90% and within 25 years is above 80% of the rated power.

GB-SOL, Unit 2, Glan-Y-Llyn Industrial Estate, Cardiff Road, Taffs Well, CF15 7JD, UK.

Tel: +44 (0)29 2082 0910; Fax: +44 (0)29 2082 0911; www.gb-sol.co.uk

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