

*A quality, accredited PV module from the UK*

- ±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

Length:	754 mm
Width:	654 mm
Depth:	42 mm
Weight:	6.7 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:	36 x ½ of monocrystalline 156 x 156 mm
Encapsulation:	EVA (Ethylene Vinyl Acetate)
Backing:	Tri-Wall Tedlar foil

Dimension of laminate without frame:

Length:	760 mm
Width:	650 mm
Depth:	42 mm
Weight:	4.1 kg

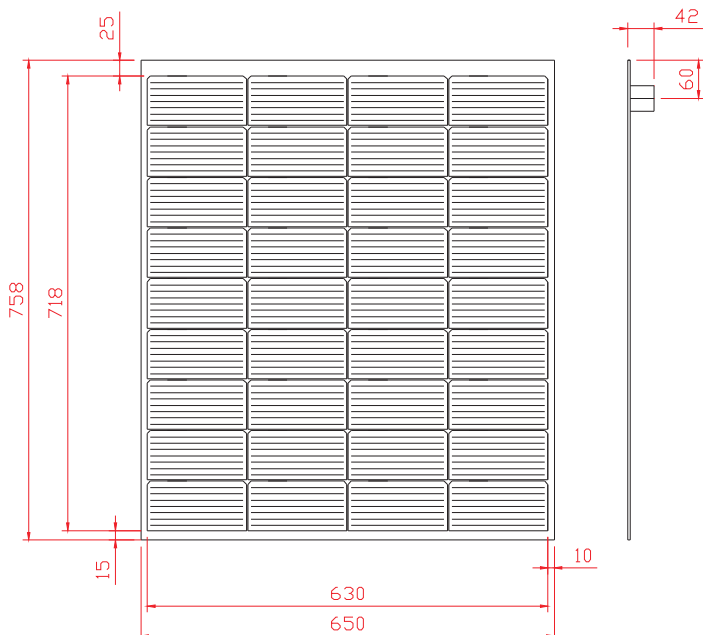
## Electrical Data

Rated power, $P_{max}(\pm 3\%)$ :	70Wp
Rated voltage $V_{mpp}$ :	18.4V
Rated current $I_{mpp}$ :	3.75A
Open circuit voltage $V_{oc}$ :	22V
Short circuit current $I_{sc}$ :	4.1A
Cell efficiency:	16%
Module efficiency:	14%

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<sup>2</sup>, AM 1.5 and a cell temperature of 25°C.



## Allowable operating conditions

Maximum temperature range:	-40°C to +85°C
Hail:	up to 28mm diameter and 86 km/h impact speed
Surface maximum load capacity:	evenly up to 240 kg/m <sup>2</sup> .

## 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.

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