

# Crystalline Solar PV Modules



Made in Wales, UK, from some of the most powerful and efficient crystalline solar cells commercially available. The cells are laminated onto toughened low iron glass and framed to the customers' requirements. A standard range of panels are produced comprising 10, 20, 30, 65 & 135W modules.

We will endeavour to manufacture panels to your specific requirements.

## Module characteristics

- Bypass diodes installed to avoid 'hot spot' effect.
- Anodised aluminium frame for robustness, rigidity and mounting points.
- Power warranty for 25 years.
- Versatile junction box provides flexibility of connections.
- Design for up to 1000V DC bus.

## Electrical characteristics

Typical maximum power (Wp)	10	20	30	40	65	135
Open circuit voltage (Voc)	21.96	21.96	21.96	21.92	21.96	21.96
Optimum operating voltage (Vmp)	18.00	18.00	18.00	18.72	18.00	18.00
Optimum operating current (Imp)	0.64	1.27	1.91	2.20	3.62	7.63
Short circuit current (Isc)	0.69	1.38	2.08	2.58	4.15	8.30

## Temperature Coefficients

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

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