



Hi Tech solar

POWERING A GREENER BRITAIN

# 275w Silver Poly | 60 cell

## Poly Crystalline Module

All modules we deliver come with a service life expectancy of over 25 years



### High Module Conversion Efficiency

Up to 16.9% through superior cell technology and leading market-manufacturing production.



### Self Clean Effect

Anti-reflective, hydrophobic layer improves light absorption and reduces surface dust.



### Excellent Low-Light Performance

(Cloudy days, morning and evening).



### Quality Black Anodised aluminium frame

with high resistance to wind and snow loads.



### Optimum Light Absorption

Transparent low-iron and thermally pressurised glass.



### Encapsulated IP Junction Box

Better insulation, sealing, heat dissipation (IP65 Rated integrated with bypass Diodes)

## Benefits

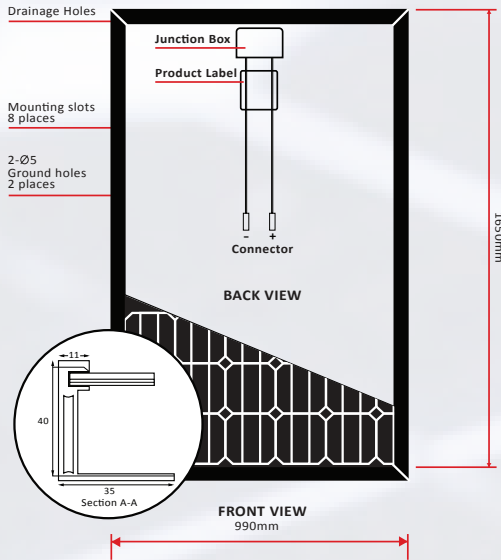


## BRITISH PANELS

- 10 years product warranty for materials and workmanship 25 years output warranty, 10 years = 90%, 25 years = 80%.
- Independently certified by international certification bodies.
- Enhanced design for easy installation and long term reliability.
- 100% EL inspection ensuring defect free.
- UK Based technical support.
- UK Based manufacturing to global markets.
- Customised production, e.g. black module, special frame, BIPV, conservatory roof and facades.
- High quality components from leading suppliers worldwide.



### Electrical Characteristic

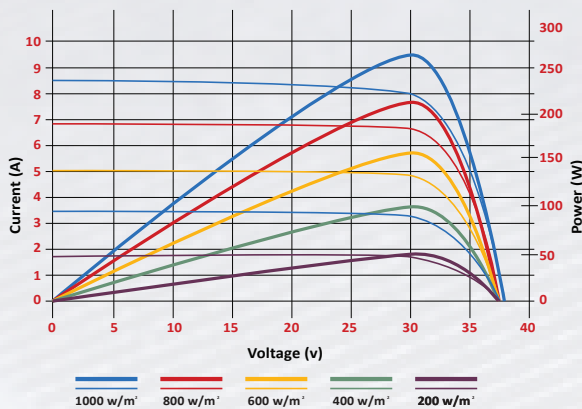


### Mechanical Characteristic

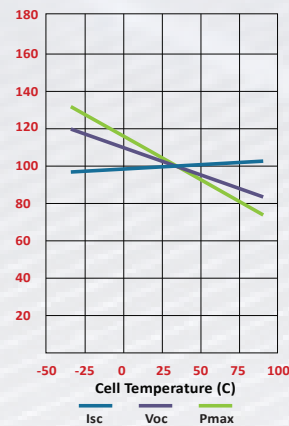
CELL TYPE	Grade A Poly-crystalline 156×156mm(6 inch)
NO OF CELLS	60 (6×10)
DIMENSIONS	1650×990×40mm
WEIGHT	18.0 Kg
FRONT GLASS	3.2mm, High Transmission, Low Iron, Tempered Glass
FRAME	Aluminium Alloy - Salt Tested
JUNCTION ON BOX	IP65 Rated integrated with 3 bypass Diodes
OUTPUT CABLES	TUV 2×4.0mm <sup>2</sup> , Length: 900 mm MC4

All technical data at standard test condition  
AM 1.5 E=1000W/m<sup>2</sup> TC=25 C

### Current-Voltage & Power-Voltage Curve



### Temperature Dependence of Isc Voc, Pmax



### Specification

MODULE TYPE	275P-60
Maximum Power at STC (P <sub>MAX</sub> )	275Wp
Maximum Power Voltage (V <sub>mp</sub> )	31.54V
Maximum Power Current (I <sub>mp</sub> )	8.72A
Open-circuit Voltage (V <sub>oc</sub> )	38.49V
Short-circuit Current (I <sub>sc</sub> )	9.16A
Cell Efficiency	18+%
Module Efficiency	16.91%
Operating Temperature (c)	-40C~+85c
Maximum system voltage	1000V DC
Power tolerance	-1%/+3%
Temperature coefficients of P <sub>max</sub>	-0.43%/
Temperature coefficients of V <sub>oc</sub>	0.3%/
Temperature coefficients of I <sub>sc</sub>	0.040%/
Nominal Operating cell temperature (NOCT)	45±2



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