



HiTech

POWERING A GREENER BRITAIN

SPACE SAVER

High-Tech Solar Revolutionary

54 cell 250w

Mono Crystalline Module

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



16.9%

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

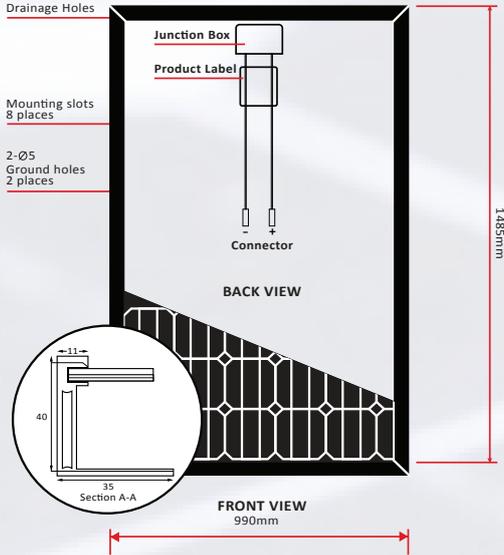


BRITISH PANELS

- 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

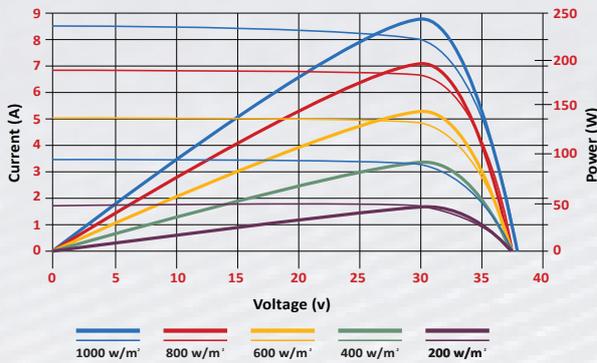


Mechanical Characteristic

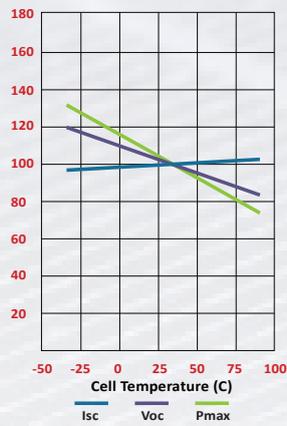
CELL TYPE	Grade A Mono-crystalline 156x156mm(6 inch)
NO OF CELLS	54 (6x9)
DIMENSIONS	1485x990x40mm
WEIGHT	17.0 Kg
FRONT GLASS	3.2mm, High Transmission, Low Iron, Tempered Glass
FRAME	Powder Coated Black Aluminium Alloy - Salt Tested
JUNCTION ON BOX	IP65 Rated integrated with 3 bypass Diodes
OUTPUT CABLES	TUV 2x4.0mm ² , Length: 900 mm MC4

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

Current-Voltage & Power-Voltage Curve



Temperature Dependence of Isc, Voc, Pmax



Specification

MODULE TYPE	250M-54
Maximum Power at STC (P _{MAX})	250Wp
Maximum Power Voltage (V _{mp})	28.7V
Maximum Power Current (I _{mp})	8.74A
Open-circuit Voltage (V _{oc})	35.2V
Short-circuit Current (I _{sc})	9.35A
Cell Efficiency	19.6+%
Module Efficiency	16.9%
Operating Temperature (c)	-40C~+85c
Maximum system voltage	1000V DC
Power tolerance	-1%/+3%
Temperature coefficients of P _{max}	-0.43%/
Temperature coefficients of V _{oc}	0.3%/
Temperature coefficients of I _{sc}	0.040%/
Nominal Operating cell temperature (NOCT)	45±2



BRITISH PANELS