



UKSOL



**30 YEAR
BRITISH
WARRANTY**

A BRITISH BRAND OF HIGH QUALITY SOLAR MODULES

UKSOL solar PV modules are always produced with the latest high quality grade A solar cells to deliver the maximum return on your investment. Every UKSOL solar module comes with a British 12 year product warranty and a 30 year performance warranty. Technical and warranty support is provided by our dedicated customer care team based near London.

MODEL UKSOL 380-400W MONO HALF CELL MODULE



ADVANCED PERFORMANCE & PROVEN ADVANTAGES

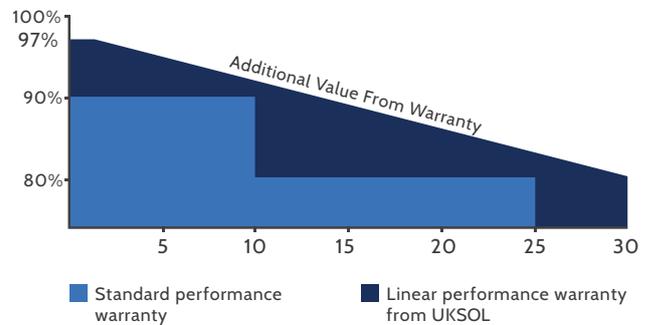
- Half cut cell technology can reduce the internal power loss and improve component overall power. Excellent heat dissipation avoids hot spot production.
- Designed for high voltage systems of up to 1500 VDC, increasing the string length of solar systems and saving on BoS costs.
- Microcrack resistant Double glass structure enhance reliability, triple EL tested of high quality control.
- MBB The optimized number and width of main gate lines, Maximize the light receiving area of components and reduce component power consumption.
- All the modules are sorted and packaged by amperage, reducing mismatch losses and maximizing system output.
- Entire module certified to with stand extreme wind (2400 Pa) and snow loads (5400 Pa)

QUALITY CERTIFICATES

- IEC61215: 2016.IEC61730: 2016 Latest Standard ISO9001, ISO14001 and OHSAS18001, meeting the highest international standards of strict quality control.
- Comprehensive and first-rate certification system.

BRITISH WARRANTIES

- 10 year product warranty.
- 25 year warranty on power output.



LOW RISK BRITISH PROCUREMENT BRITISH TECHNICAL SUPPORT ALWAYS GRADE "A" CELLS BRITISH QUALITY STANDARDS THAMES VALLEY CHAMBER OF COMMERCE GROUP MEMBER TÜVRheinland CERTIFIED

ELECTRICAL CHARACTERISTICS AT STC

Nominal Power (Pmax)	380W	385W	390W	395W	400W
Open Circuit Voltage (Voc)	48.6V	48.8V	49V	49.2V	49.3V
Short Circuit Current (Isc)	10.26A	10.35A	10.44A	10.53A	10.65A
Voltage at Nominal Power (Vmp)	40.4V	40.6V	40.8V	41V	41.2V
Current at Nominal Power (Imp)	9.42A	9.5A	9.57A	9.64A	9.72A
Module Efficiency (%)	19.28	19.53	19.79	20.04	20.29
Operating Temperature	-40°C to +85°C				
Maximum System Voltage	1000V / 1500V DC(IEC)				

Maximum Series Fuse Rating

15A

*STC: Irradiance 1000W/m², module temperature 25, AM=1.5

Optional black frame or white frame module according to customer requirements

ELECTRICAL CHARACTERISTICS AT NOCT

Nominal Power (Pmax)	281W	285W	289W	293W	296W
Open Circuit Voltage (Voc)	45.9V	46.1V	46.3V	46.5V	46.6V
Short Circuit Current (Isc)	8.28A	8.36A	8.43A	8.5A	8.6A
Voltage at Nominal Power (Vmp)	38.2V	38.4V	38.6V	38.7V	38.9V
Current at Nominal Power (Imp)	7.36A	7.42A	7.49A	7.57A	7.61A

*NOCT : Irradiance 800W/m², ambient temperature 20°C, wind speed 1 m/s

MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline 156.75 × 78.375mm
Number of Cells	144 (6 × 24)
Module Dimensions	1987mm×992mm×40mm
Weight	23.0kg
Front Cover	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67
Cable	4mm ² (IEC)
Connector	MC4 / MC4 Compatible

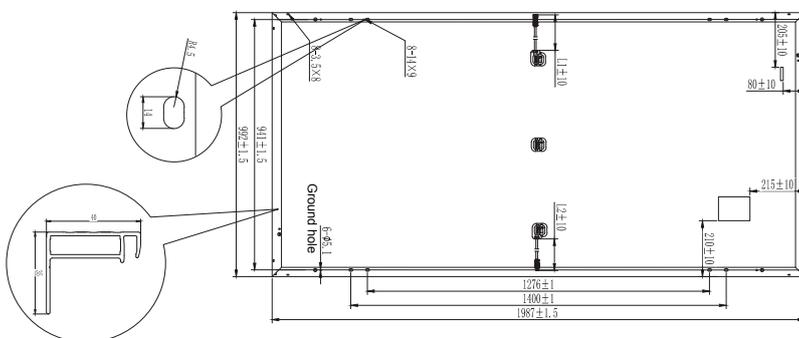
TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45°C + 2°C
Temperature Coefficient Of Pmax	-0.39%/K
Temperature Coefficient Of Voc	-0.29%/K
Temperature Coefficient Of Isc	0.049%/K

PACKAGING

Standard Packaging	26 pcs / Pallet
Module Quantity per 40' Container	572pcs

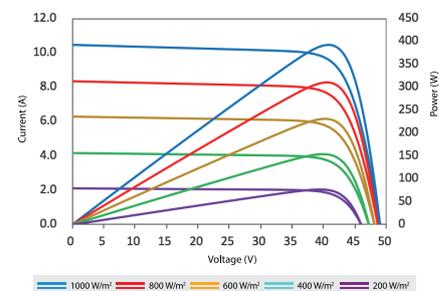
ENGINEERING DRAWINGS



Specifications in this datasheet are subject to change without prior notice.

Also available in all-black.

IV CURVES



Current-Voltage & Power-Voltage Curves At Different Irradiances