



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 UKS-6P POLYCRYSTALLINE MODULE

72 Cell 325-355w


ADVANCED PERFORMANCE & PROVEN ADVANTAGES

-  High module conversion efficiency up to 17.52% through advanced manufacturing technology.
-  Low degradation and excellent performance under high temperature and low light conditions.
-  Robust aluminum frame ensures the modules withstand wind loads up to 2400Pa and snow loads up to 5400Pa.
-  Positive power tolerance of 0 ~ +3%. High ammonia and salt mist resistance.
-  PID Free. Fire tested. Risk free procurement and support from the UK.
-  Fully automated production | Special AR gloss coating 5 bus bars for best performance



QUALITY CERTIFICATES

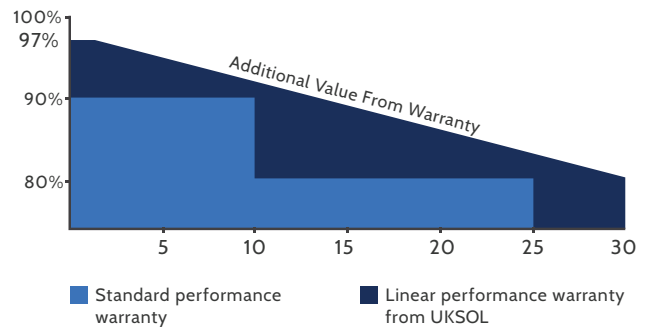
-  TUV Sud tested IEC61215, IEC61730, IEC62716, IEC61701, TUV Sud tested. FIDE Mexico approved. Chile approved. Retie (Colombia). Special PI-Institut Berlin test report SONCAP certificate for Nigeria. InMetro for Brazil Intertek testing for Kenya, Nigeria and Mali



-  ISO9001:2008: Quality management system
ISO14001:2004: Environmental management system
OHSAS18001:2007: Occupational health and safety management system

BRITISH WARRANTIES

-  12 year product warranty.
-  Limited power warranty: 12 years 91.2% of the nominal power output, 30 years 80.6% of the nominal power output.



LOW RISK BRITISH
PROCUREMENT



BRITISH TECHNICAL
SUPPORT



ALWAYS GRADE
"A" CELLS



BRITISH QUALITY
STANDARDS



CERTIFIED



ELECTRICAL CHARACTERISTICS AT STC

Maximum Power (P_{max})	325W	330W	335W	340W	345W	350W	355W
Open Circuit Voltage (V_{oc})	45.7V	45.9V	46.1V	46.3V	46.5V	46.7V	46.9V
Short Circuit Current (I_{sc})	9.28A	9.36A	9.44A	9.52A	9.60A	9.68A	9.76A
Voltage at Maximum Power (V_{mp})	37.1V	37.3V	37.5V	37.7V	37.9V	38.1V	38.3V
Current at Maximum Power (I_{mp})	8.77A	8.85A	8.94A	9.02A	9.11A	9.19A	9.27A
Module Efficiency (%)	16.39	16.64	16.89	17.15	17.40	17.65	17.90
Operating Temperature	-40°C to +85°C						
Maximum System Voltage	1000V DC						
Fire Resistance Rating	Type 1(in accordance with UL 1703)/Class C(IEC 61730)						
Maximum Series Fuse Rating	15A						

STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5; Tolerance of P_{max}: ±3%; Measurement Tolerance: ±3%

ELECTRICAL CHARACTERISTICS AT NOCT

Maximum Power (P_{max})	241W	244W	248W	252W	256W	259W	263W
Open Circuit Voltage (V_{oc})	42.0V	42.2V	42.4V	42.6V	42.8V	43.0V	43.2V
Short Circuit Current (I_{sc})	7.52A	7.58A	7.65A	7.71A	7.78A	7.84A	7.91A
Voltage at Maximum Power (V_{mp})	33.7V	33.9V	34.1V	34.3V	34.5V	34.7V	34.9V
Current at Maximum Power (I_{mp})	7.16A	7.20A	7.28A	7.35A	7.42A	7.47A	7.54A

NOCT: Irradiance 800W/m², Ambient temperature 20°C, Wind Speed 1 m/s

MECHANICAL CHARACTERISTICS

Cell type	Polycrystalline 158.75*158.75mm
Number of cells	72 (6x12)
Module dimensions	1956x992x35mm
Weight	21kg (46.3lbs)
Front cover	3.2mm (0.13inches) tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction box	IP67, 3 diodes
Cable	4mm ² (0.006inches ²), 1000mm (39.37inches)
Connector	MC4 or MC4 compatible

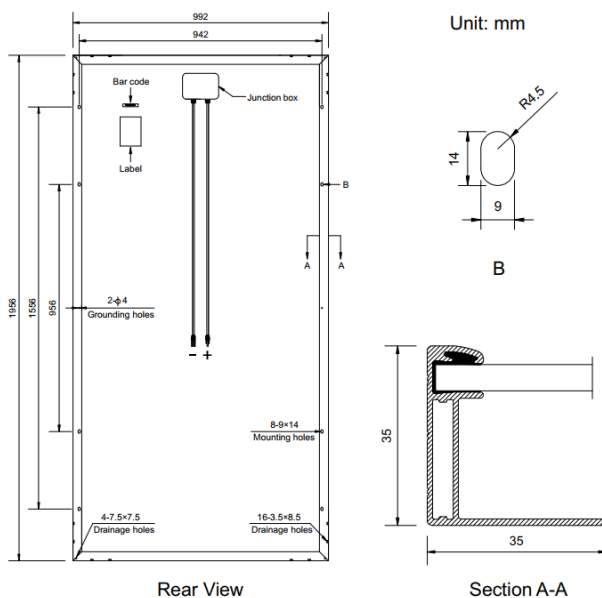
TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of P_{max}	-0.39%/°C
Temperature Coefficients of V_{oc}	-0.30%/°C
Temperature Coefficients of I_{sc}	0.05%/°C

PACKAGING

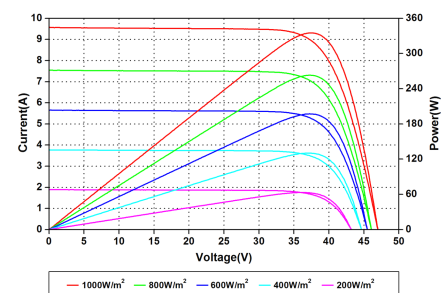
Standard packaging	31pcs/pallet
Module quantity per 20' container	310pcs
Module quantity per 40' container	744pcs(GP)/816pcs(HQ)

ENGINEERING DRAWINGS

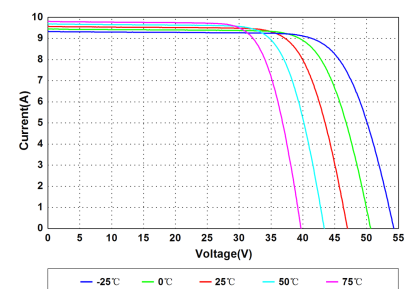


Specifications in this datasheet are subject to change without prior notice.

IV CURVES



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures

+44 (0)1753 910327 | info@uksol.uk | www.uksol.uk | WhatsApp: +44 (0)7949 489911

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