



30 year British warranty

## A British Brand Of High Quality Solar Modules

UKSOL solar PV modules (or panels) are produced with high quality materials and are designed to deliver the maximum return on your investment. UKSOL modules are supported by a 12 year British product warranty. The linear power warranty guarantees over 90% of normal output for 12 years and over 80% of normal output for up to 30 years. Service and support is provided from our offices based near London, UK.

## Model UKSOL UKS-6M30 Monocrystalline Module

### Advanced Performance & Proven Advantages

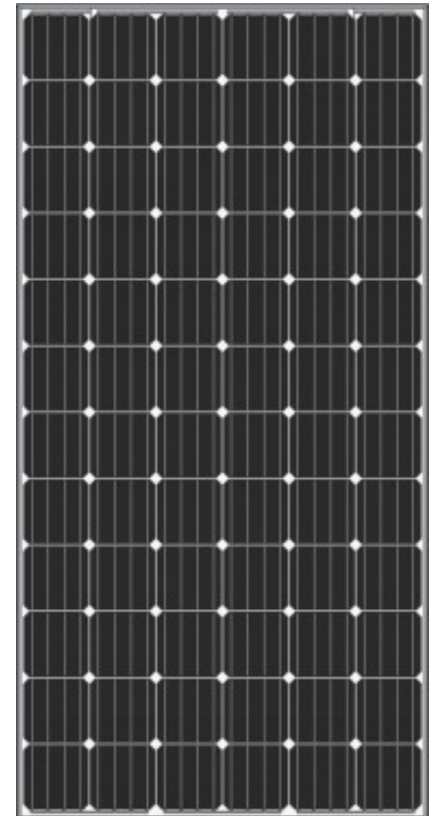
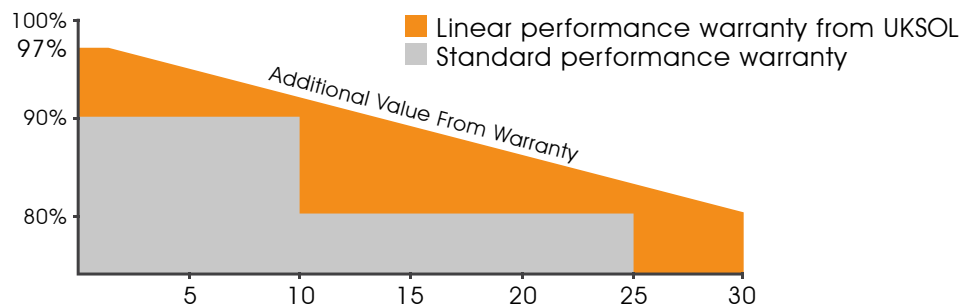
- High module conversion efficiency up to 16.90% through advanced manufacturing technology.
- Low degradation and excellent performance under high temperature and low light conditions.
- Robust aluminum frame ensures the modules withstand wind loads up to 2400Pa and snow loads up to 5400Pa.
- Positive power tolerance of 0 ~ +3 %.
- High ammonia and salt mist resistance.
- PID Free. Fire tested. Risk free procurement and support from the UK.

### Quality Certificates

- IEC61215, IEC61730, IEC62716, IEC61701, UL1703, CE, ETL(USA), JET(Japan), J-PEC(Japan), CEC(Australia), FSEC(FL-USA), CSI Eligible(CA-USA), Israel Electric(Israel), Kemco(South Korea), InMetro(Brazil), TSE(Turkey)
- 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.



- 30 year British warranty
- Low risk British procurement
- British technical support
- Unique British brand
- British quality standards



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## Electrical Characteristics at STC

Nominal Power (Pmax)	250W	255W	260W	265W	270W	275W
Open Circuit Voltage (Voc)	37.3V	37.4V	37.5V	37.6V	37.7V	37.8V
Short Circuit Current (Isc)	8.72A	8.82A	8.91A	9.01A	9.10A	9.20A
Voltage at Nominal Power (Vmp)	30.5V	30.6V	30.7V	30.8V	30.9V	31.0V
Current at Nominal Power (Imp)	8.20A	8.34A	8.48A	8.61A	8.74A	8.88A
Module Efficiency (%)	15.37	15.67	15.98	16.29	16.60	16.90
Operating Temperature	-40° C to +85° C					
Maximum System Voltage	1000V DC					
Fire Resistance Rating	Type 1 (UL 1703)/Class C (IEC61730)					
Maximum Series Fuse Rating	15A					

STC : Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass 1.5

## Electrical Characteristics at NOCT

Nominal Power (Pmax)	184W	188W	191W	195W	199W	202W
Open Circuit Voltage (Voc)	34.3V	34.4V	34.5V	34.6V	34.7V	34.8V
Short Circuit Current (Isc)	7.06A	7.14A	7.22A	7.30A	7.39A	7.45A
Voltage at Nominal Power (Vmp)	27.8V	27.8V	27.9V	28.0V	28.1V	28.2V
Current at Nominal Power (IN)	6.62A	6.77A	6.85A	6.97A	7.09A	7.17A

NOCT: Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1 m/s

## Mechanical Characteristics

Cell Type	Monocrystalline 156x156mm (6x6 inches)
Number of Cells	60 (6x10)
Module Dimensions	1640x992x35mm (64.57x39.06x1.38 inches)
Weight	18kg (39.7 lbs)
Front Cover	3.2mm (0.13 inches) low-iron tempered Glass
Frame	Anodized
Junction Box	IP67, 3 diodes
Cable	4mm <sup>2</sup> (0.006 inches <sup>2</sup> ), 900mm (35.43inches)
Connector	MC4 or MC4 Compatible

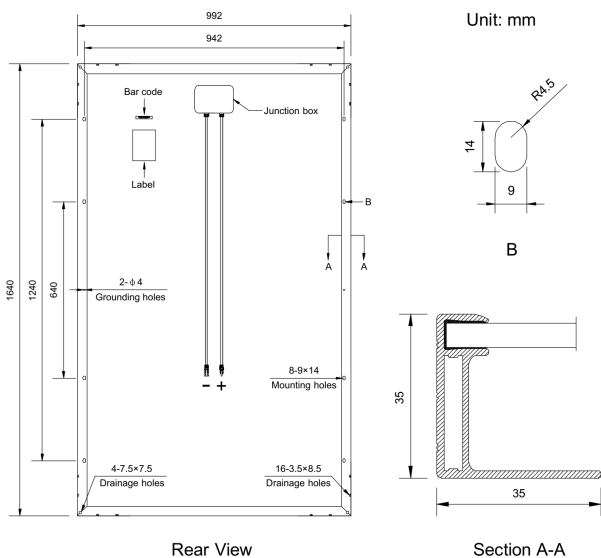
## Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	45° C ± 2° C
Temperature Coefficient Of Pmax	-0.43%/°C
Temperature Coefficient Of Voc	-0.33%/°C
Temperature Coefficient Of Isc	0.056%/°C

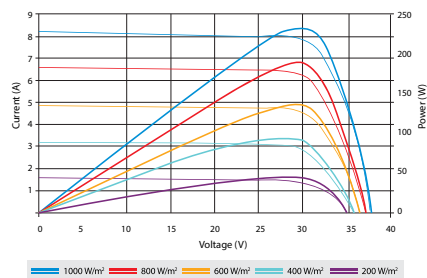
## Packaging

Standard Packaging	30 pcs / Pallet
Module Quantity per 20' Container	360 pcs
Module Quantity per 40' Container	840/896 HQ

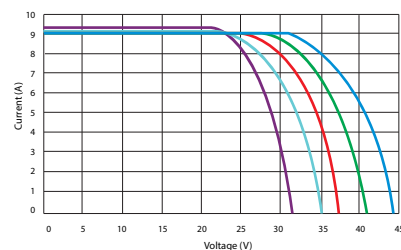
## ENGINEERING DRAWINGS



## IV CURVES



Current-Voltage & Power-Voltage Curves At Different Irradiances



Current-Voltage Curves At Different Temperatures

Specifications in this datasheet are subject to change without prior notice