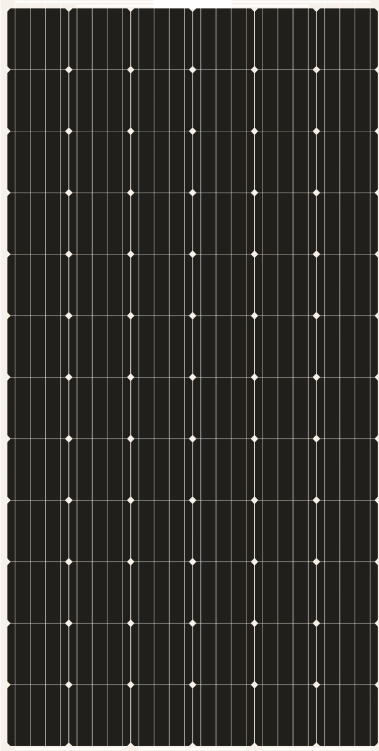


# UKS-6M-DG DOUBLE GLASS MODULE



## ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- High module conversion efficiency up to 17.86% by using high efficient solar cells and advanced manufacturing technology.
- Lower annual power degradation and higher energy yield during the module's lifetime.
- High load-bearing capacity which can withstand wind loads up to 2400Pa and snow loads up to 5400Pa.
- Excellent reliability and durability against extreme environmental conditions (high resistance to salt mist, ammonia, sand, acid and alkali, etc.).
- Fire Class A certified according to IEC 61730-2/MST 23.
- Potential induced degradation (PID) free.
- Positive power tolerance of 0 ~ +3 %.

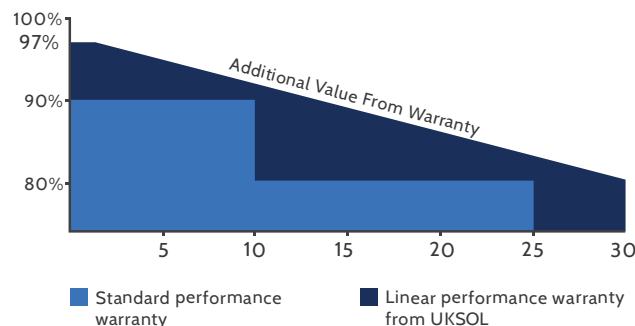
## CERTIFICATIONS

- IEC61215, IEC61730, CE
- ISO9001:2008: Quality management system
- ISO14001:2004: Environmental management system
- OHSAS18001:2007: Occupational health and safety management system



## SPECIAL WARRANTY

- 10 years limited product warranty.
- Limited linear power warranty: 30 years 80% of the nominal power output.



LOW RISK BRITISH  
PROCUREMENT



BRITISH TECHNICAL  
SUPPORT



ALWAYS GRADE  
"A" CELLS



BRITISH QUALITY  
STANDARDS



## ELECTRICAL CHARACTERISTICS AT STC

Nominal Power ( $P_{max}$ )	320W	325W	330W	335W	340W	345W	350W
Open Circuit Voltage ( $V_{oc}$ )	46.0V	46.2V	46.4V	46.6V	46.8V	47.0V	47.2V
Short Circuit Current ( $I_{sc}$ )	9.00A	9.08A	9.16A	9.24A	9.32A	9.40A	9.48A
Voltage at Nominal Power ( $V_{mp}$ )	37.6V	37.8V	38.0V	38.2V	38.4V	38.6V	38.8V
Current at Nominal Power ( $I_{mp}$ )	8.52A	8.60A	8.69A	8.77A	8.86A	8.94A	9.03A
Module Efficiency (%)	16.32	16.58	16.84	17.09	17.35	17.60	17.86
Operating Temperature	-40°C to +85°C						
Maximum System Voltage	1000V DC						
Fire Resistance Rating	Class A (IEC61730)						
Maximum Series Fuse Rating	15A						

STC: Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, AM1.5

## ELECTRICAL CHARACTERISTICS AT NOCT

Nominal Power ( $P_{max}$ )	237W	241W	244W	248W	252W	255W	259W
Open Circuit Voltage ( $V_{oc}$ )	42.3V	42.5V	42.7V	42.9V	43.1V	43.3V	43.5V
Short Circuit Current ( $I_{sc}$ )	7.29A	7.35A	7.42A	7.48A	7.55A	7.61A	7.68A
Voltage at Nominal Power ( $V_{mp}$ )	34.2V	34.4V	34.6V	34.8V	35.0V	35.2V	35.4V
Current at Nominal Power ( $I_{mp}$ )	6.93A	7.01A	7.06A	7.13A	7.20A	7.25A	7.32A

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

## MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline 156.75x156.75mm
Number of cells	72 (6x12)
Module dimensions	1980x990x5mm (Without junction box)
Weight	23.3kg
Front Glass	2mm Tempered glass with AR coating
Back Glass	2mm Tempered glass/2mm Ceramic coated glass
Junction box	IP67, 3 diodes
Cable	4mm <sup>2</sup>
Connector	MC4 or MC4 compatible

## TEMPERATURE CHARACTERISTICS

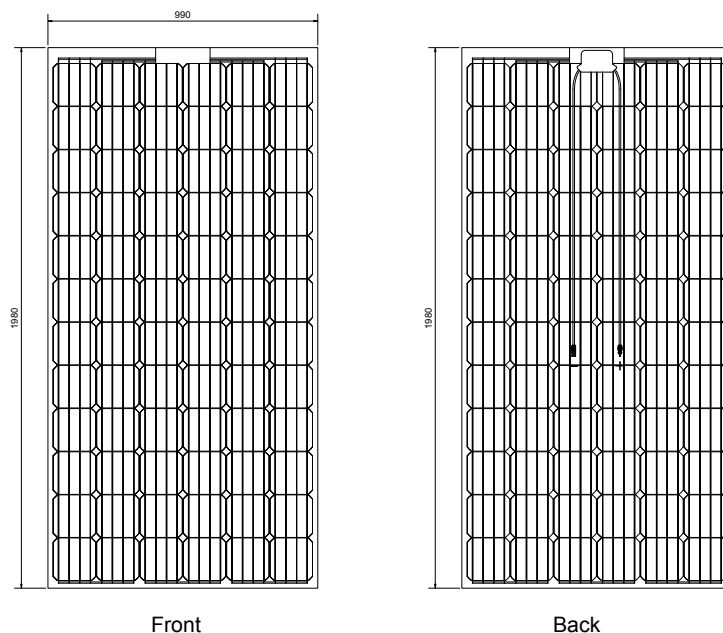
Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of $P_{max}$	-0.40%/°C
Temperature Coefficients of $V_{oc}$	-0.31%/°C
Temperature Coefficients of $I_{sc}$	0.03%/°C

## PACKAGING

Standard packaging	38pcs/pallet
Module quantity per 20' container	380pcs
Module quantity per 40' container	836pcs

## ENGINEERING DRAWINGS

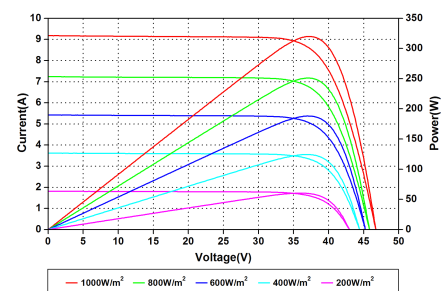
Unit: mm



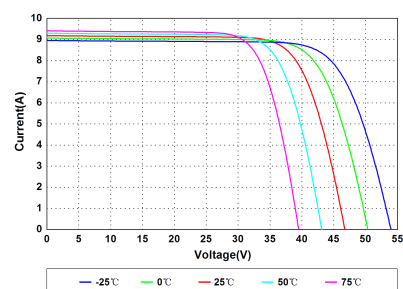
Front

Back

## IV CURVES



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures

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

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