



132 Cell Bifacial HTJ Technology

# 700W N-Type

HALF CUT MONOCRYSTALLINE SOLAR MODULE






**700W**  
Highest power output

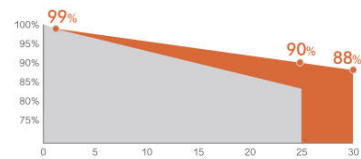
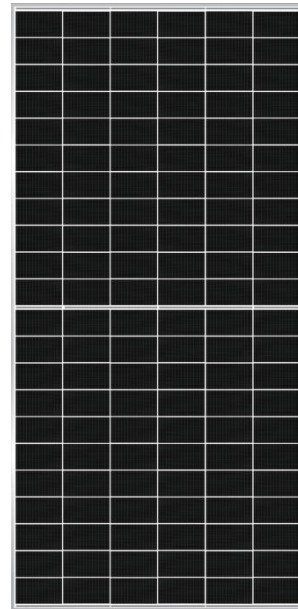
**22.5%**  
Module efficiency

### PRODUCT QUALITY FEATURES

- High output Heterojunction (HJT) technology
- Bifacial G12 210mm cell
- SMBB Half Cell Technology
- +5w positive power tolerance
- Lower balance of system costs. Faster ROI.
- 30 year British performance warranty. UK service and support.

### PRODUCT ADVANTAGES

-  **HTJ technology**  
N-Type performance. Bifaciality of 80%
-  **Low Hot-spot Risk**  
1/2 current, reducing the hot spot temperature
-  **Excellent loading capability**  
2400Pa wind loads, 5400Pa snow loads, 8000Pa extra support
-  **Low NMOT**  
As low as 44°C, improving the power generation efficiency
-  **Half Cell, MBB Technology**  
Series-then-parallel cell connection design, more reliable soldering technology



**12**  
Years  
Materials and workmanship warranty

**30**  
Years  
Linear power warranty



LOW RISK BRITISH PROCUREMENT



BRITISH TECHNICAL SUPPORT



ALWAYS GRADE "A" CELLS



BRITISH QUALITY STANDARDS



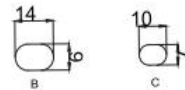
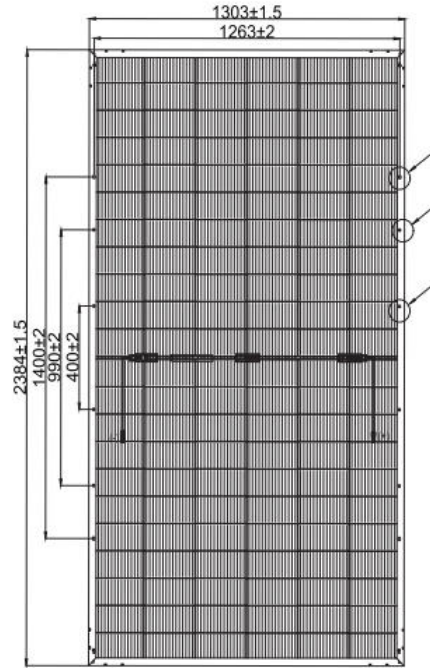
+44 (0)1753 910327 | info@uksol.uk | www.uksol.uk | WhatsApp: +44 (0)7949 489911

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# UKS-132/12H-700W-BG

## ELECTRICAL CHARACTERISTICS

Standard - Black	700w
Nominal power, Pmpp	700 Wp
Tolerance, Pmpp	0 / +5 W
Maximum series fuse	30 A
Module efficiency	22.5 %
Isc	17.43 A
Voc	50.13V
I <sub>mp</sub>	16.63 A
V <sub>mp</sub>	42.10 V
Maximum voltage	1500 V
α I <sub>sc</sub>	0.04 % / °C
β Voc	- 0.25 % / °C
g P <sub>max</sub>	- 0.26 % / °C
Temperature range	- 40°C ~ +85°C
NOCT. Nominal Operating Cell Temperature	44 ± 2°C



## MANAGEMENT SYSTEM



**ISO 9001:**  
Quality management system



**ISO 14001:**  
Standard for environmental management system



**OHSAS 45001:**  
International standard for occupational health and safety assessment system

## MECHANICAL CHARACTERISTICS

Frame	Anodized Aluminium Alloy
Weight	A38.7 kg
Connection box	Sealed, robust and wide for heat dissipation IP67/IP68 according to IEC 60529 Diodes by-pass built-in (3/6) for protection of the partial shading Connector MC4 or compatible Cables 1000 mm (±20%) length and 4mm <sup>2</sup> section Fire Class I approval (UNI 9177)
Frontal	2 mm thick tempered glass with high strength and ARC Textured, extra-clear with low iron content
Solar cells	132 cells monocrystalline silicon
Weight, dimensions and packaging	38.7 Kg   2384 x 1303x 35mm (+/-1%) Pack: 527pcs-truck and packaging



**30 YEAR  
BRITISH  
WARRANTY**

NOTE: Read the instruction manual of this product and follow the indications STC. Values are valid for: 1000W/m<sup>2</sup>, AM 1.5 and cell's temperature of 25°C. Measurement tolerance +/-3% (AAA Solar simulation -IEC 60.904-9-). All the information of this brochure may be amended without notice by UKSOL.

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