

CERTIFIED

695-720W

210mm Half Cell, 132 Cells TOPCon Bifacial Solar Module

23.2%

Module
Efficiency

720W

Highest Power
Output

Product Advantages

High Customer Value



- Lower LCOE (Levelised Cost of Energy), reduced BOS (Balance of System) cost, shorter payback time
- Designed for compatibility with existing mainstream system components
- Lower guaranteed first year and annual degradation
- Higher return on investment

High Power up to 720W



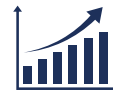
- Large area cells based on 210mm silicon wafers and half-cut cell technology
- Up to 23.2% module efficiency with high density interconnect technology
- Multi-busbar technology for better light trapping effect, lower series resistance and improved current collection

High reliability

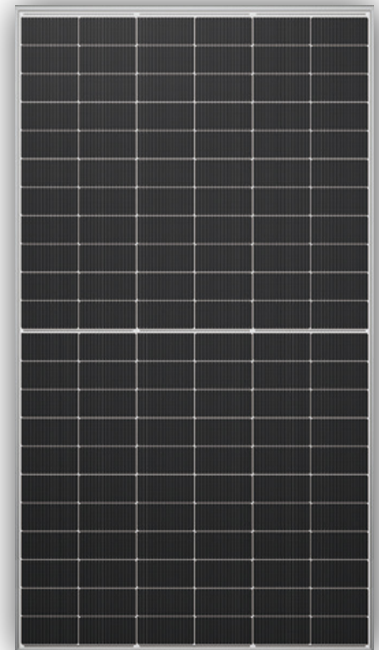


- Minimised micro-cracks with innovative non-destructive cutting technology
- Ensured PID resistance through cell process and module material control
- Resistant to harsh environments such as salt, ammonia, sand, high temperature and high humidity areas

High energy yield



- Excellent IAM (Incident Angle Modifier) and low irradiation performance, validated by 3rd party certifications
- The unique design provides optimised energy production under inter-row shading conditions



Backed by a 30-Year British Warranty

- ✓ 30 Year Performance Warranty
- ✓ 15 Year Materials & Workmanship Warranty



Half Cell, MBB Technology

Series-then-parallel cell connection design, more reliable soldering technology



LOW RISK BRITISH
PROCUREMENT



BRITISH TECHNICAL
SUPPORT



ALWAYS GRADE
"A" CELLS



BRITISH QUALITY
STANDARDS



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UKS-S132-M12N-720-BG

ELECTRICAL DATA (STC)

Peak Power Watts-PMAX (Wp)*	695	700	705	710	715	720
Maximum Power Voltage (Vmp/V)	40.0	40.2	40.4	40.6	40.8	41.0
Maximum Power Current (Imp)	17.38	17.42	17.46	17.49	17.53	17.56
Open-Circuit Voltage (Voc/V)	47.7	47.9	48.1	48.3	48.5	48.7
Short-Circuit Current (Isc/A)	18.44	18.50	18.55	18.61	18.66	18.72
Module Efficiency η_m (%)	22.4	22.5	22.7	22.9	23.0	23.2

Power Tolerance-PMAX (W)

0~+5

STC: Irradiance 1000W/m², module temperature 25°C, AM=1.5; *Measuring tolerance: ±3%

ELECTRICAL DATA (BNPI)

Peak Power PMAX (Wp)*	740	745	750	755	760	765
Maximum Power Voltage (Vmp/V)	40.0	40.2	40.4	40.6	40.8	41.0
Maximum Power Current-Imp (A)	18.50	18.53	18.56	18.60	18.63	18.66
Open-Circuit Voltage (Voc/V)	47.7	47.9	48.1	48.3	48.5	48.7
Short-Circuit Current (Isc/A)	19.64	19.69	19.74	19.79	19.84	19.88

BNPI: Irradiance 1000W/m², module temperature 25°C

ELECTRICAL DATA (NMOT)

Maximum Power PMAX (Wp)*	528	532	536	540	544	548
Maximum Power Voltage (Vmp/V)	37.4	37.6	37.8	38.0	38.2	38.4
Maximum Power Current-Imp (A)	14.12	14.15	14.18	14.21	14.24	14.27
Open-Circuit Voltage (Voc/V)	45.0	45.2	45.4	45.6	45.8	46.0
Short-Circuit Current (Isc/A)	14.85	14.90	14.94	14.99	15.04	15.08

NMOT: Irradiance 800W/m², module temperature 20°C, AM=1.5, wind speed 1m/s

MECHANICAL DATA

Solar Cells	N-Type TOPCon Monocrystalline Silicon
Cell Orientation	132 pcs
Module Dimensions	2384 x 1303 x 33 mm
Weight	38.8kg
Front Glass	2.0mm, High Transmission, AR coated Heat Strengthened Glass
Encapsulant Material	EVA
Back Glass	2.0mm, Heat Strengthened Glass (White Grid Glass)
Frame	30mm Anodized Aluminium Alloy
Junction Box	IP 68 Rated
Packing Configuration	33pcs/box, 594pcs/40' container
Cables	Photovoltaic Technology Cable 4.0 mm ² Cable length 350 mm or customized length

Temperature Ratings

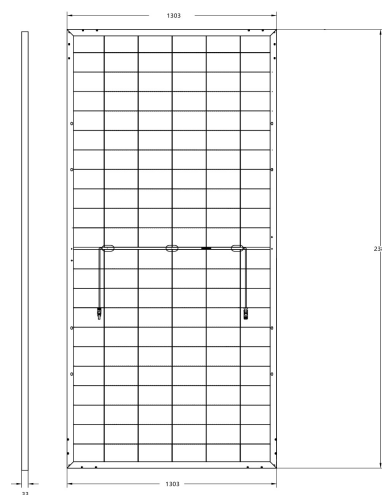
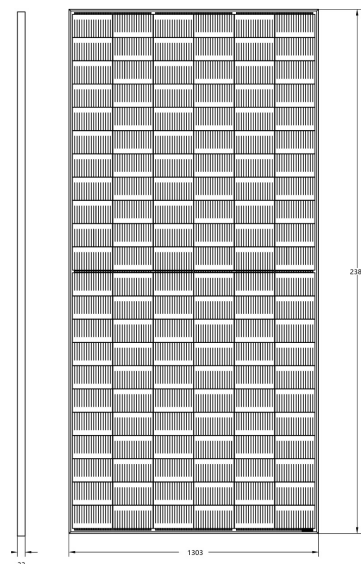
NMOT (Nominal Module Operating Temperature)	42°C (±2°C)
Temperature Coefficient of PMAX	0.29%/°C
Temperature Coefficient of VOC	-0.25%/°C
Temperature Coefficient of ISC	+0.046%/°C

WEEE registration number (WPRN) is WEE/MM9084AA

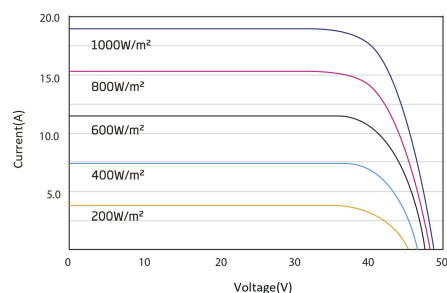


1.00% First Year Power Degradation

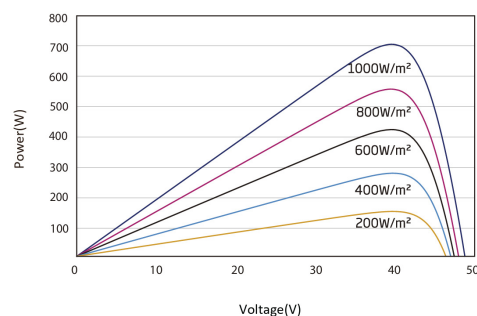
0.40% Annual Degradation



I-V CURVES OF PV MODULE(705 W)



P-V CURVES OF PV MODULE(705 W)



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