UKSOL Ltd, Building 1, Chalfont Park, Gerrards Cross, SL9 0BG

UKSOL

MCS CERTIFIED

630W

182mm Half Cell, 132 Cells
TOPCon Bifacial Solar Module

23.3%	630W
Module Efficiency	Highest Power Output

Product Advantages

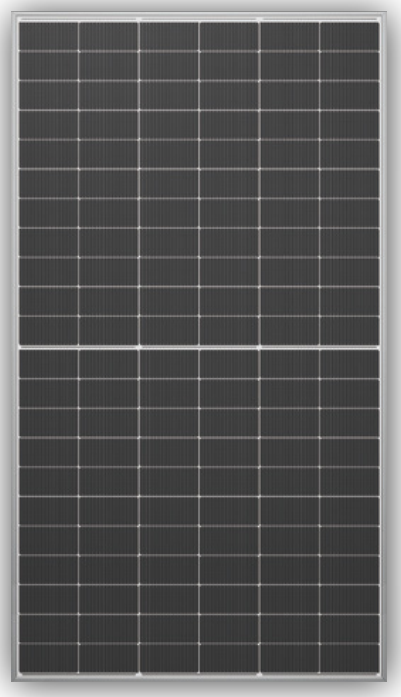
16BB Half-Cut cell technology
New Circuit design, lower internal current, lower Rs loss Ga dopped wafer, attenuation<1% (1st year) / ≤0.40% (Linear)

Significantly lower the risk of hot spot
Special circuit design with much lower hot spot temperature

Lower LCOE
2% more power generation, lower LCOE

Excellent Anti-PID Performance
2 times of industry standard Anti-PID test by TUV SUD

IP68 Junction Box
High waterproof level



Half Cell, MBB Technology
Series-then-parallel cell connection design, more reliable soldering technology

PV CYCLE

UKSOL
Backed by a 25-Year Product Warranty
- ✓ 25 Year Product Warranty
- ✓ 30 Year Performance Warranty
- ✓ Fully protected under British law

LOW RISK BRITISH PROCUREMENT

BRITISH TECHNICAL SUPPORT

ALWAYS GRADE "A" CELLS

BRITISH QUALITY STANDARDS

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UKS-S132-M10N-R1-BG

ELECTRICAL DATA (STC)							
Peak Power Watts-PMAX (Wp)*	600	605	610	615	620	625	630
Maximum Power Voltage-VMP (V)	40.1	40.3	40.5	40.7	40.9	41.1	41.3
Maximum Power Current-IMP (A)	14.97	15.02	15.07	15.12	15.17	15.21	15.26
Open Circuit Voltage (Voc)	48.2	48.4	48.6	48.8	49.0	49.2	49.4
Short Circuit Current (Isc)	15.90	15.96	16.03	16.10	16.16	16.22	16.26
Module Efficiency ηm (%)	22.2	22.4	22.6	22.8	23.0	23.1	23.3
Power Tolerance	0~+5w						
STC: Irradiance 1000W/m2, Cell temperature 25°C, Air Mass AM1.5, *Measuring tolerance: ±3%							

ELECTRICAL DATA (NMOT)							
Maximum Power at NMOT (PMax)	453W	457W	461W	465W	469W	473W	477W
Maximum Power Voltage (Vmp)(V)	37.4	37.6	37.8	38.0	38.2	38.4	38.6
Maximum Power Current (Imp) (A)	12.11	12.15	12.20	12.24	12.28	12.32	12.36
Open-Circuit Voltage (Voc/V)	45.8	46.0	46.2	46.4	46.6	46.8	47.0
Short Circuit Current (Isc) (A)	12.76	12.82	12.88	12.93	12.99	13.04	13.10
NMOT: Irradiance 800 W/m2, module temperature 20 °C, AM=1.5, wind speed 1 m/s							

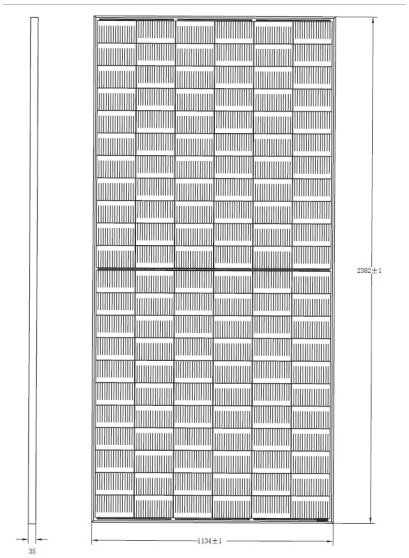
ELECTRICAL DATA (BNPI)							
Peak Power-PMAX (Wp)*	655	660	665	670	675	680	685
Maximum Power Voltage-VMP (V)	40.1	40.3	40.5	40.7	40.9	41.1	41.3
Maximum Power Current-IMP (A)	16.33	16.38	16.42	16.46	16.50	16.55	16.59
Open Circuit Voltage-VOC (V)	48.2	48.4	48.6	48.8	49.0	49.2	49.4
Short Circuit Current (Isc) (A)	17.51	17.57	17.63	17.69	17.75	17.81	17.87
BNPI:Irradiance 1000W/m², module temperature 25°C							

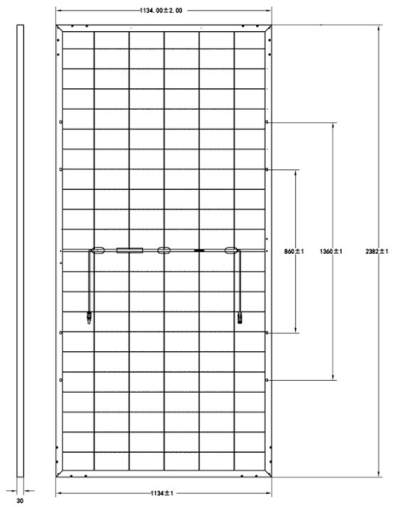
MECHANICAL DATA	
Solar Cells	N-Type TOPCon Monocrystalline Silicon
No. of Cells	132 Cells (6 x 20)
Module Dimensions	2382 x 1134 x 30mm
Encapsulant Material	POE/EVA
Weight	34kgs
Cable Length	350mm or customised length
Cable Cross Section Size	TUV: 4mm
Front Glass	2.0mm High Transmission AR Coated Strengthened Glass
Back Glass	2.0mm Heat Strengthened Glass (White Grid Glass)
Frame	30mm Anodized Aluminium Alloy
Junction Box	IP68 Rated.
Packing Configuration	Modules per box/36 ps, Modules per 40'HQ/720pcs
Cables	Photovoltaic Technology Cable 4.0mm2 Cable length 350mm or customised length
MAXIMUM RATINGS	
Maximum System Voltage	1500V/DC (IEC)
Operating Temperature	-40°C to +85°C
Maximum Series Fuse	35A

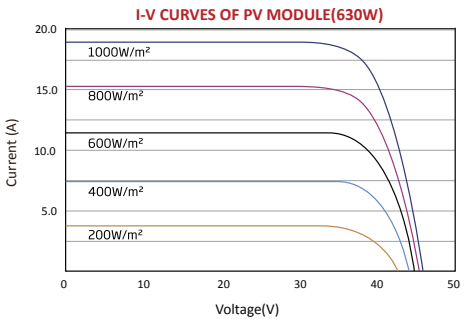
TEMPERATURE CHARACTERISTICS	
Temperature Coefficient of Pmax	-0.29 %/°C
Temperature Coefficient of Voc	-0.25 %/°C
Temperature Coefficient of Isc	0.046 %/°C
NMOT (Nominal Module Operating Temperature)	42°C (±2°C)

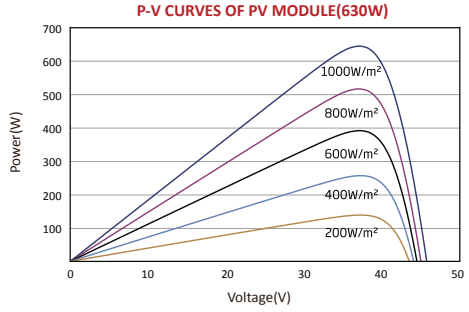
1.00% First Year Power Degradation

0.40% Annual Degradation









WEEE registration number (WPRN) is WEE/MM9084AA

30 YEAR BRITISH WARRANTY

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