Superior Solar PV Modules - Dependable British Brand - 30 Year British Warranty

Anglo Solar

Anglo Solar | A British solar module brand owned by UKSOL Ltd.

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Model: AS-132/M12N-720W-BG

POWER OUTPUT

720w TOPCon
132 Cell Bifacial N-Type Tech

High power up to 720W

- Large area cells based on 210 mm 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 Customer Value

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

High Reliability

- Minimized 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
- Mechanical performance up to 5400 Pa positive load and 2400 Pa negative load

High Energy Yield

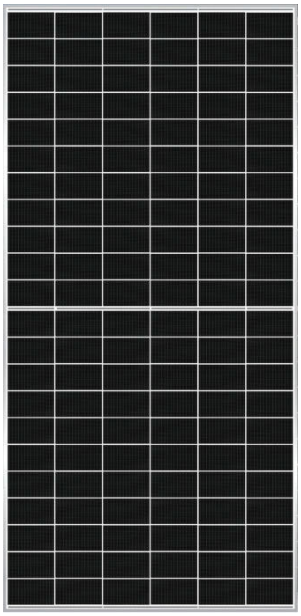
- Excellent IAM (Incident Angle Modifier) and low irradiation performance, validated by 3rd party certifications
- The unique design provides optimized energy production under inter-row shading conditions

Max Module Efficiency:
23.2%

Weight:
38.8 Kgs

Dimensions:
2384x1303x35mm

Monocrystalline
132 cells



30 YEAR WARRANTY

30 YEAR EUROPEAN PERFORMANCE WARRANTY

12 YEAR PRODUCT WARRANTY

* Specifications are subject to change without further notification

NOTE: Read the instruction manual of this product and follow the indications STC. Values are v
Measurement tolerance +/-3% (AAA Solar simulation -IEC 60.904-9-). All the information of this

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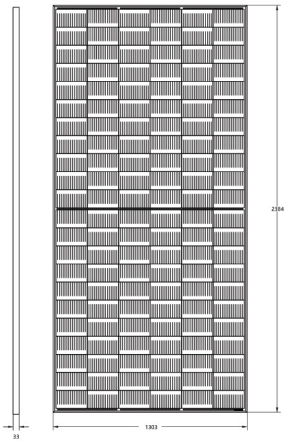
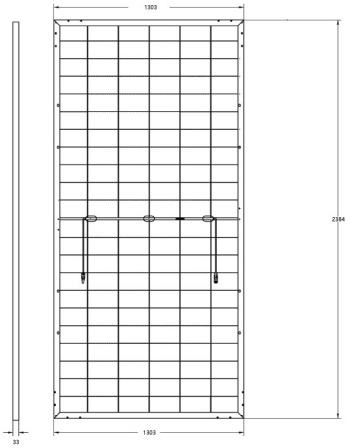
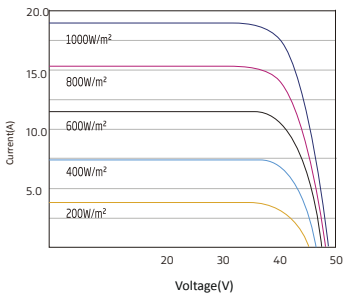
720W

ENGINEERING DRAWING





I-V CURVES OF PV MODULE(705 W)



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

ELECTRICAL CHARACTERISTICS

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 (A)	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 ηm (%)	22.4	22.5	22.7	22.9	23.0	23.2
Power Tolerance-PMAX (W)	0~+5					

STC: Irradiance 1000W/m², moudule 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 CHARACTERISTICS

Solar Cells	N-Type TOPCon Monocrystalline Silicon
Cell Orientation	132pcs
Module Dimensions	2384x1303x35 mm
Weight	38.8 kg
Front Glass	2.0 mm, High Transmission, AR Coated Heat Strengthened Glass
Encapsulant Material	EVA
Back Glass	2.0 mm, Heat Strengthened Glass (White Grid Glass)
Frame	30mm Anodized Aluminium Alloy
Junction Box	IP 68 rated
Cables	Photovoltaic Technology Cable 4.0 mm² Cable length 350 mm or customized length

*Please refer to regional datasheet for specied connector.

TEMPERATURE CHARACTERISTICS

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