



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

Model: AS-132/M12N-720-BG

Anglo Solar, Globe Park,
Third Avenue Jubilee,
Marlow, SL7 1EY
Phone: 01628 272988
Email: info@anglosolar.com
www.anglosolar.com

POWER OUTPUT

695-720w 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

1.00% First Year Power
Degradation

0.40% Annual Degradation

30 YEAR WARRANTY



30-YEAR PERFORMANCE WARRANTY



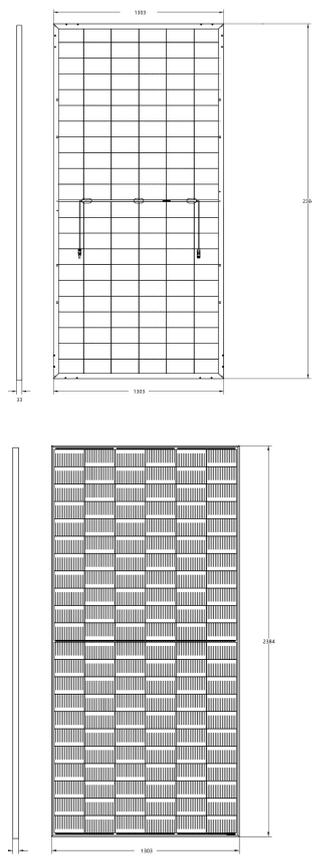
15-YEAR MATERIALS WARRANTY



*Specifications are subject to change without prior notification.



ENGINEERING DRAWING



Model: AS-132/M12N-720-BG

695-720W

ELECTRICAL CHARACTERISTICS (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 ηm (%)	22.4	22.5	22.7	22.9	23.0	23.2
Power Tolerance-PMAX (W)	0~+5					
STC: Irradiance 1000W/m ² , module temperature 25°C, AM=1.5; *Measuring tolerance: ±3%						

ELECTRICAL CHARACTERISTICS (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/m ² , module temperature 25°C						

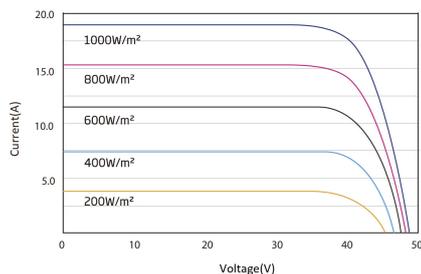
ELECTRICAL CHARACTERISTICS (NMOT)

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/m ² , module temperature 20°C, AM=1.5, wind speed 1m/s						

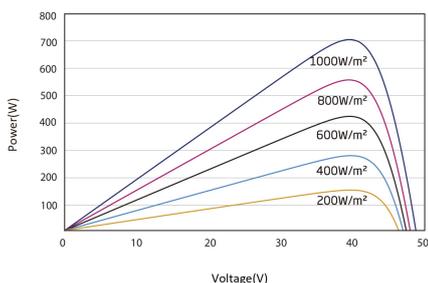
MECHANICAL CHARACTERISTICS

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
Back Glass	2.0mm Heat Strengthened Glass (White Grid Glass)
Encapsulant Material	EVA
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
*Please refer to regional datasheet for specied connector.	

I-V CURVES OF PV MODULE(705 W)



P-V CURVES OF PV MODULE(705 W)



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

MAXIMUM RATINGS

Operational Temperature	-40c~+85C
Maximum System Voltage	1500V DC (IEC)
Max Series Fuse Rating	35A