



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

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

Model: AS-S108-M10N-R-XXX-BG

POWER OUTPUT

435-460W TOPCon Bifacial 182mm Cell Half cell

16BB Half-cut cell technology

New circuit design, lower internal current, lower Rs loss Ga doped 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

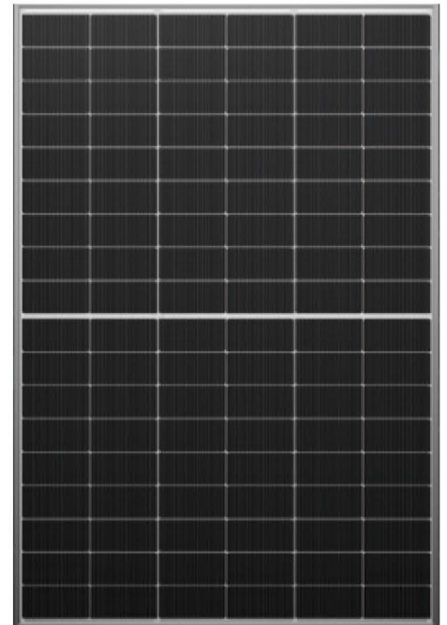
High waterproof level

Max Module Efficiency: 23.0%

Weight: 21 Kgs

Dimensions: 1762*1134*30 mm

Monocrystalline 108 cells



30 YEAR
EUROPEAN
PERFORMANCE
WARRANTY



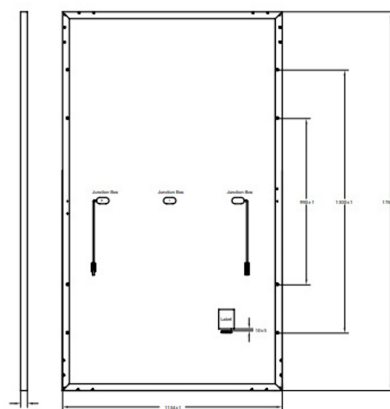
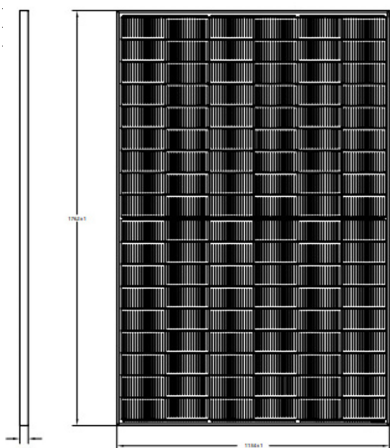
12 YEAR
PRODUCT
WARRANTY

* Specifications are subject to change without further notification

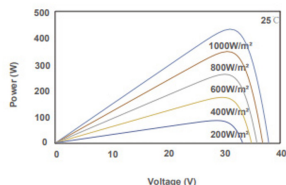
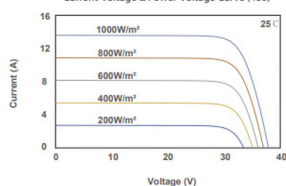
Model: AS-S108-M10N-R-XXX-BG

435-460W

ENGINEERING DRAWING



I-V CURVE
Current-Voltage & Power-Voltage Curve (460)



ELECTRICAL CHARACTERISTICS (STC)

Maximum Power (Pmax/W)*	435	440	445	450	455	460
Operating Voltage (Vmp/V)	32.6	32.8	33.0	33.2	33.4	33.6
Operating Current (Imp/A)	13.35	13.42	13.49	13.56	13.63	13.70
Open-Circuit Voltage (Voc/V)	39.1	39.3	39.5	39.7	39.9	40.1
Short-Circuit Current (Isc/A)	13.84	13.93	14.01	14.10	14.18	14.27
Module Efficiency ηm (%)	21.8	22.0	22.3	22.5	22.8	23.0
Power Tolerance (W)	0~+5					

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

PERFORMANCE AT NMOT

Maximum Power (Pmax/W)*	327	331	335	339	343	347
Operating Voltage (Vmp/V)	30.3	30.5	30.7	30.9	31.1	31.3
Operating Current (Imp/A)	10.79	10.85	10.91	10.97	11.03	11.09
Open-Circuit Voltage (Voc/V)	37.2	37.4	37.6	37.8	38.0	38.2
Short-Circuit Current (Isc/A)	11.17	11.25	11.32	11.40	11.47	11.54

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

MECHANICAL SPECIFICATION

Cell Type	N-Type TOPCon Monocrystalline silicon
No. of Cells	108 (6*18)
Module Dimensions	1762*1134*30 mm
Weight	21.5 kg
Encapsulant Material	POE/EVA
Cable Length	350 mm or customized length
Cable Cross Section Size	TÜV: 4 mm ²
Front Glass	3.2 mm AR Coating Tempered Glass
No. of Bypass Diodes	3
Packing Configuration	36 pcs/Carton, 936 pcs/40HQ
Frame	Anodized Aluminium Alloy
Junction Box	IP68

OPERATING CONDITIONS

Maximum System Voltage	1500V/DC(IEC)
Operating Temperature	-40°C to +85°C
Maximum Series Fuse	25A
Static Loading	Snow Loading: 5400Pa / Wind Loading: 2400Pa
Conductivity at Ground	≤0.1Ω
Safety Glass	II
Resistance	≥100MΩ
Connector	MC4 compatible

TEMPERATURE COEFFICIENT

Temperature Coefficient Pmax	-0.29%/°C
Temperature Coefficient Voc	-0.25%/°C
Temperature Coefficient Isc	+0.046%/°C
NMOT	42±2°C