Auxin® Solar
TOWARDS THE SUN

B120SG-500W

Framed Single Glass Bi-facial High Efficiency N-type

Model Name	AXN10M500B
Maximum Power (+3%)	500W
Voc (V)	44.17
Isc (A)	14.14
Vmp (V)	37.23
Imp (A)	13.44
Module Efficiency (%)	23.1%
Series Fuse Rating	30A
Junction Box Protection	IP68
Maximum System Voltage	VDC1500
Operating Temperature	-40°C to 85°C
Module type	Framed Bi-Facial Single Glass w/Anti-Reflective (AR) Coating
Connector type	Staubli MC4[i]
Cable length	12AWG 1200mm[ii]
Maximum snow/wind load	5400Pa(snow)/5400Pa(wind)[iiii]
Certification/Fire Type	UL61730[iii]; UL1703 Fire Type 1

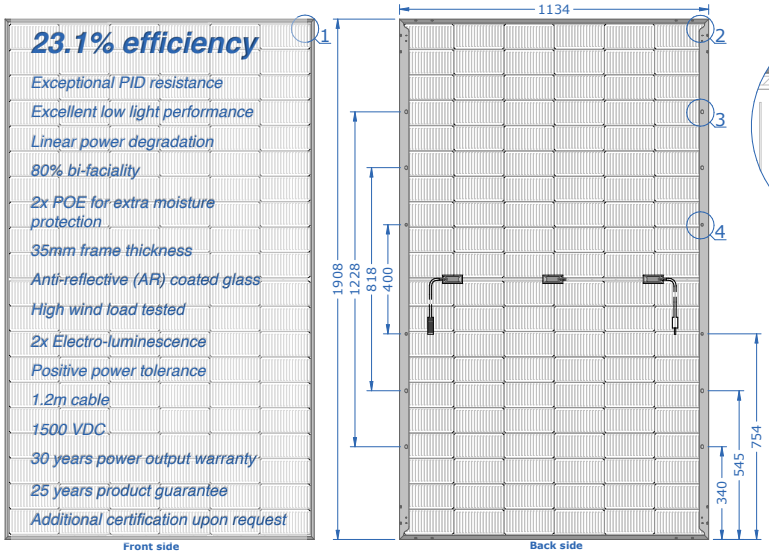
Total power output for different bi-facial gain coefficients			
5%	10%	20%	30%
525W	550W	600W	650W
44.17	44.17	44.17	44.17
14.85	15.56	16.97	18.38
37.23	37.23	37.23	37.23
14.11	14.78	16.13	17.47
26.9%	28.2%	30.7%	33.3%

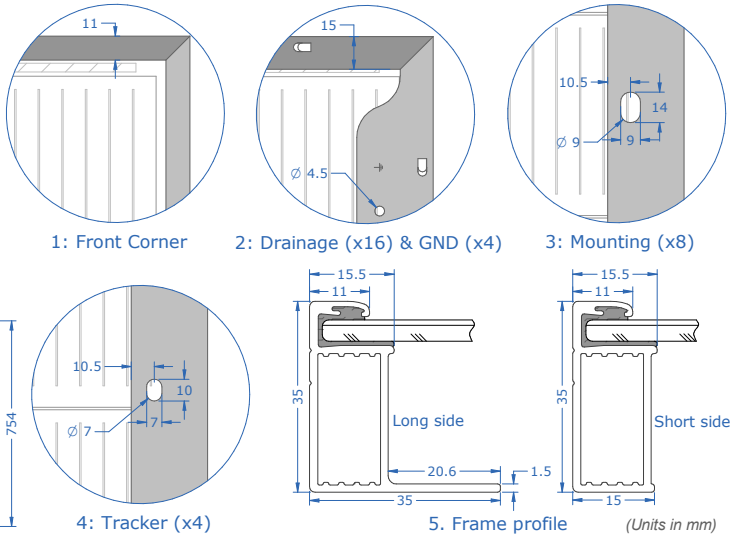
Bi-Facial modules produce power on both front and back. The actual power output from the back side is determined by installation conditions.
Nominal bi-facial module gain coefficient can run from 5% to 30% or more, depending on the installation height and the amount of indirect irradiance.
It is recommended to design the electrical circuits with safety factor that accounts for the additional power in order to protect electrical hardware.

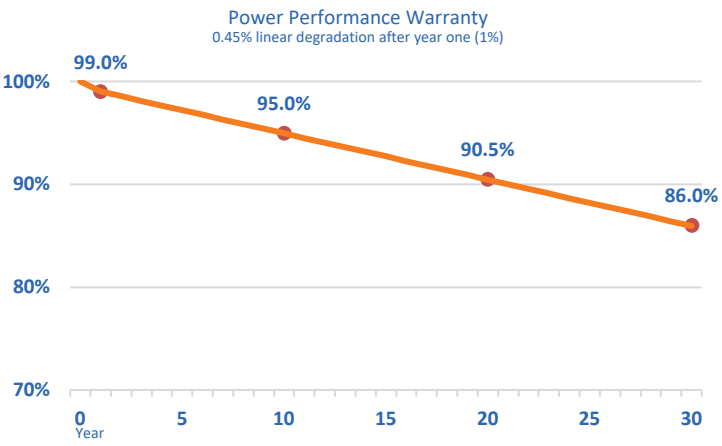
i) Amphenol, EVO2A available , ii) Cable length customizable, iii) Additional certifications available upon request, iiii) Follow High Wind/Snow installation guide

23.1% efficiency

- Exceptional PID resistance
- Excellent low light performance
- Linear power degradation
- 80% bi-faciality
- 2x POE for extra moisture protection
- 35mm frame thickness
- Anti-reflective (AR) coated glass
- High wind load tested
- 2x Electro-luminescence
- Positive power tolerance
- 1.2m cable
- 1500 VDC
- 30 years power output warranty
- 25 years product guarantee
- Additional certification upon request







Mechanical Characteristics	
Frame	Anodized Aluminum (Silver and Black)
Solar Panel	52.06 lbs/23.61 kg 75.12" x 44.65" x 1.38" 1908mm x 1134mm x 35mm
Shipping Pallet	28 pcs per pallet 1536 lbs/697 kgs 78.50" x 47.24" x 44.25" 1994mm x 1200mm x 1124mm
Container	27 pallets (756 pcs) per 53'

Temperature Coefficients		Standard Test Conditions (STC)	
NOCT	45 °C	Irradiance	1000W/m^2
Isc/Voc (per °C)	+0.05%/-0.25%	Module Temperature	25 °C
Pmax (per °C)	-0.29%	AM	1.50

Specifications subject to change without notice

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