Auxin® Solar
TOWARDS THE SUN

B108DG-435W

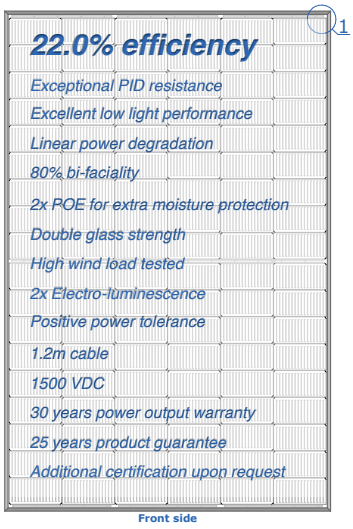
Double Glass Bi-facial High Efficiency N-type

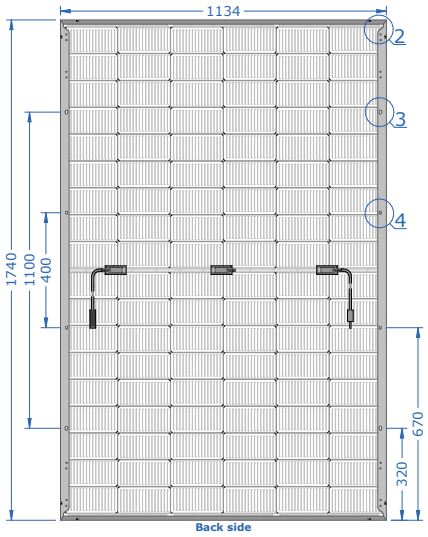
Model Name	AXN10M435B
Maximum Power (+3%)	435W
Voc (V)	38.66
Isc (A)	13.76
Vmp (V)	33.40
Imp (A)	13.02
Module Efficiency (%)	22.0%
Series Fuse Rating	30A
Junction Box Protection	IP68
Maximum System Voltage	VDC1500
Operating Temperature	-40°C to 85°C
Module type	Framed Bi-Facial Double Glass
Connector type	Staubli EVO-2A
Cable length	12AWG 1200mm[ii]
Maximum snow/wind load	5400Pa(snow)/5400Pa(wind)
Certification/Fire Type	UL61730[iii]; UL1703 Fire Type 3

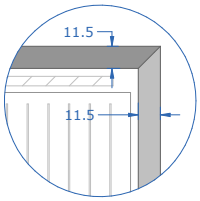
Total power output for different bi-facial gain coefficients			
5%	10%	20%	30%
457W	478W	522W	565W
38.66	38.66	38.66	38.66
14.45	15.14	16.51	17.89
33.40	33.40	33.40	33.40
13.67	14.32	15.62	16.93
23.4%	24.5%	26.7%	29.0%

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.

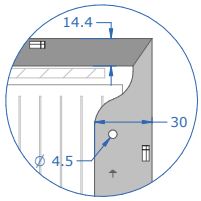
i) Amphenol connectors available upon request, ii) Cable length may be customized, iii) Additional certifications available upon request



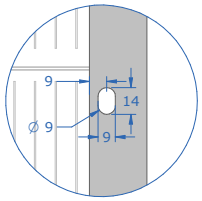




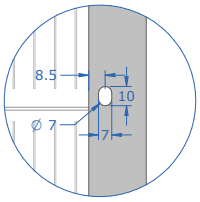
1: Front Corner



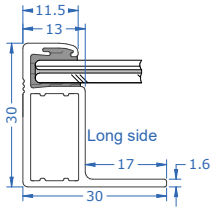
2: Drain (x8) & GND (x8)

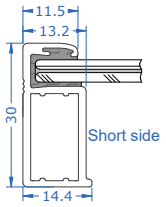


3: Mounting (x4)



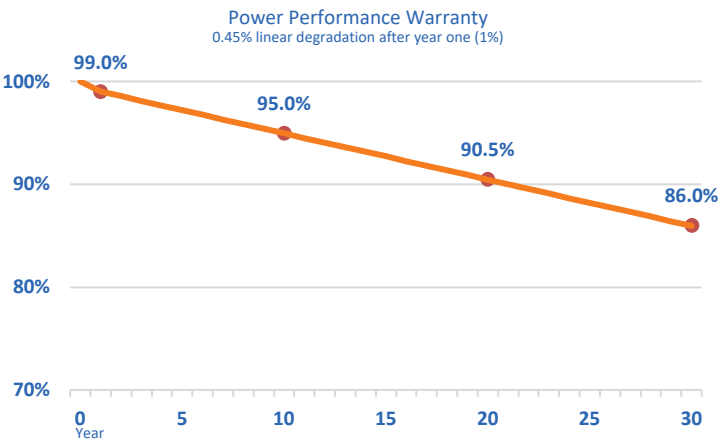
4: Tracker (x4)





5: Frame profile

(Units in mm)



Mechanical Characteristics	
Frame	Anodized Aluminum (Silver and Black)
Solar Panel	51.66 lbs/23.43 kg 68.50" x 44.65" x 1.18" 1740mm x 1134mm x 30mm
Shipping Pallet	39 pcs per pallet 2085 lbs/946 kgs 72.52" x 48.66" x 51.06" 1842mm x 1236mm x 1297mm
Container	20 pallets (780 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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