Auxin® Solar
TOWARDS THE SUN

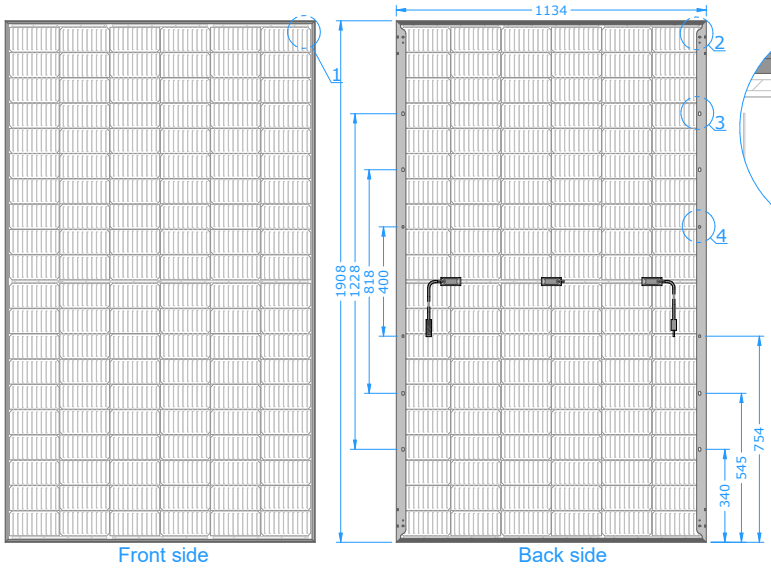
455W
Framed bi-facial double glass

Model Name	AXN10B455G
Maximum Power (+3%)	455W
Voc (V)	41.71
Isc (A)	13.91
Vmp (V)	34.93
Imp (A)	13.03
Module Efficiency (%)	21.0%
Series Fuse Rating	30A
Junction Box Protection	IP68
Maximum System Voltage	VDC1500
Operating Temperature	-40°C to 85°C
Module type	Framed Bi-Facial
Connector type	MC4 Compatible[i]
Cable length	12AWG 1200mm[ii]
Maximum snow/wind load	5400Pa(snow)/2400Pa(wind)
Certification/Fire Type	UL61730[iii]; UL1703 Fire Type 1

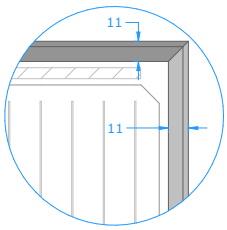
Total power output for different bi-facial gain coefficients			
5%	10%	20%	30%
478W	501W	546W	592W
41.71	41.71	41.71	41.71
14.61	15.30	16.69	18.08
34.93	34.93	34.93	34.93
13.68	14.33	15.64	16.94
22.1%	23.1%	25.2%	27.3%

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.

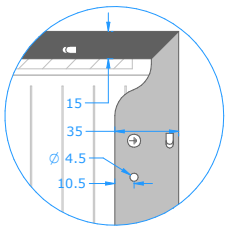
i) Staubli MC4 connectors available upon request, ii) Cable length may be customized, iii) Additional certifications available upon request



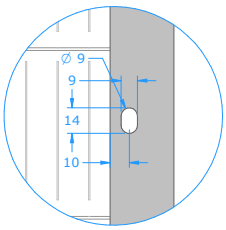
Front side | Back side



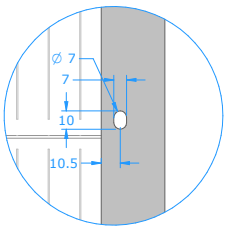
1 - Front corner



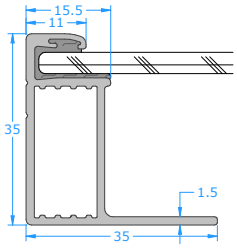
2 - Ground(x4)
Drain holes(x16)



3 - Mounting holes (x8)



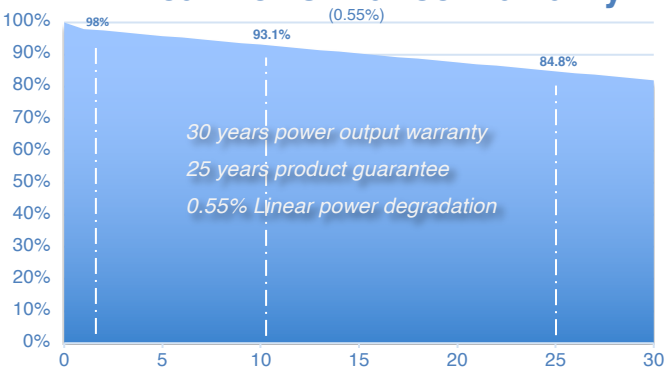
4 - Tracker mounting holes (x4)



Extrusion profile

(Units provided in mm)

Linear Performance Warranty



Mechanical Characteristics	
Frame	Anodized Aluminum (Silver and Black)
Dimension (L x W x D)	75.12" x 44.65" x 1.38" 1908mm x 1134mm x 35mm
Weight	27.97 kg/61.66 lbs
Pallet	26 pcs
Container	572pcs/40'; 728pcs/53'
Wind/Snow load	5400Pa(front)/2400Pa(rear)

Temperature Coefficients		Standard Test Conditions (STC)	
NOCT	45 °C	Irradiance	1000W/m^2
Short circuit current	+0.040%/C	Module Temperature	25 °C
Open circuit voltage	-0.244%/C	AM	1.50
Max power output	-0.319%/C		

Specifications subject to change without notice

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TÜVRheinland CERTIFIED www.tuv.com ID 0000040238
MADE IN THE USA With Domestic and Global Materials