

Model Name	AXN10M580B
Maximum Power (+3%)	580W
Voc (V)	51.55
Isc (A)	13.76
Vmp (V)	44.53
Imp (A)	13.02
Module Efficiency (%)	22.2%
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
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 1

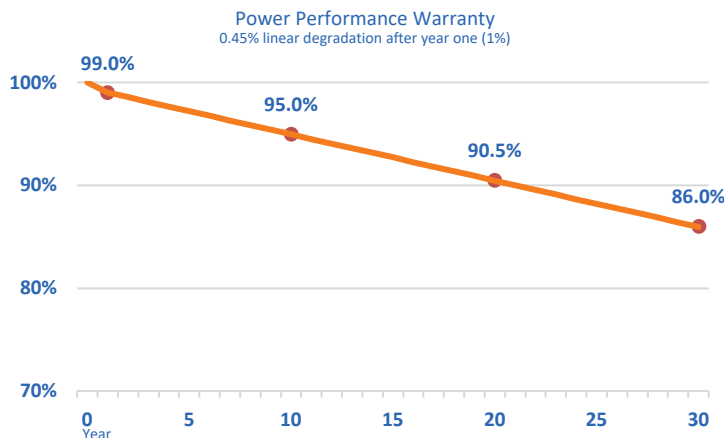
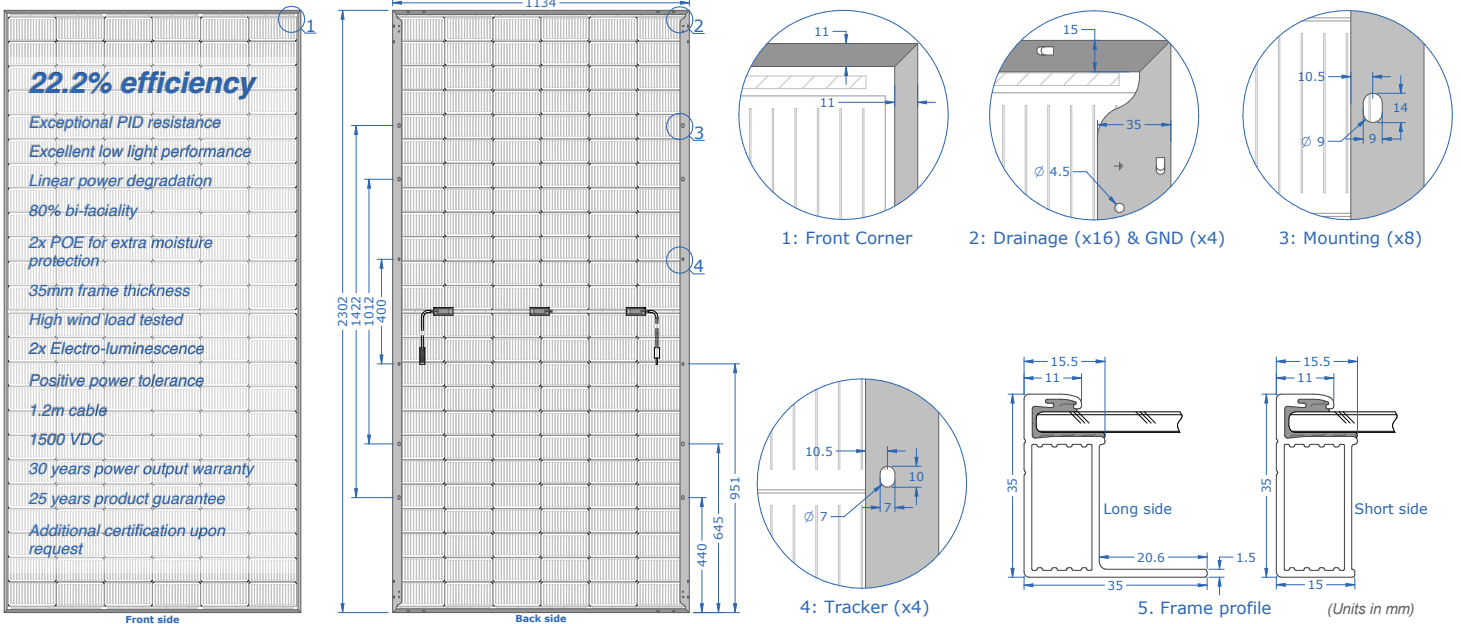
Total power output for different bi-facial gain coefficients			
5%	10%	20%	30%
609W	638W	696W	754W
51.55	51.55	51.55	51.55
14.45	15.14	16.51	17.89
44.53	44.53	44.53	44.53
13.67	14.32	15.62	16.93
31.2%	32.7%	35.6%	38.6%

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



Mechanical Characteristics	
Frame	Anodized Aluminum (Silver and Black)
Solar Panel	63.63 lbs/28.86 kg 90.63" x 44.65" x 1.38" 2302mm x 1134mm x 35mm
Shipping Pallet	33 pcs per pallet 2193 lbs/995 kgs 94.65" x 48.66" x 50.47" 2404mm x 1236mm x 1282mm
Container	19 pallets (627 pcs) per 53'
Temperature Coefficients	
NOCT	45 °C
Isc/Voc (per °C)	+0.05%/-0.25%
Pmax (per °C)	-0.29%
Standard Test Conditions (STC)	
Irradiance	1000W/m ²
Module Temperature	25 °C
AM	1.50

Specifications subject to change without notice