

600W Bifacial · Double Glass

23.2 % Maximum Module Efficiency

AuxinTM

SOLAR MANUFACTURING

Since 2008

We are America's Original Solar ManufacturerTM

**Auxin lives and breathes
Made-in-U.S.A. solar products**



Cloudy Day Power

Excellent low light performance



Moisture Lock

2x POE for extra moisture protection



High Wind Load

Suitable for extreme weather applications



Certified Reliability

Exceptional PID resistance, Tested to UL 61730



For nearly two decades, Auxin has been fighting the good fight for American-made solar. In that

time, we have become the factory that countless brands in the industry rely upon to build their products. This is not least because continuous improvement is one of our core values. Auxin regularly invests in new process technology, latest equipment, latest raw materials and R&D on new

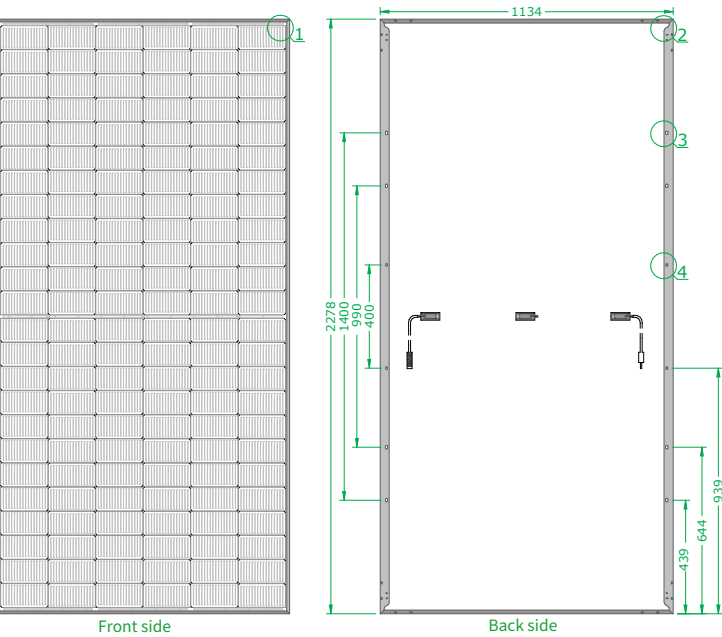
circuit design applications for solar. Production equipment is refreshed every 24 months on critical process steps, components are evaluated and integrated into end product annually, and new material goes through internal reliability testing as well as third-party testing. This dedication means that you can rely upon Auxin products now and in the future.

*Trust Auxin expertise
and build the most
reliable systems for
your customers.*

Toward the sun
auxinsolar.com

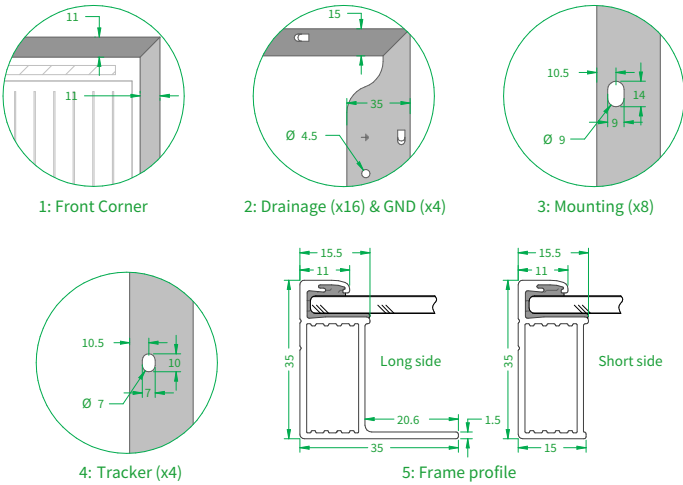


Basic Dimensions
[UNITS: MM]



AXN10B600G

Class Leading 600-620W



Electrical Specifications

Product Type: AXN10BxxxG (xxx=PMAX)

						Total power + bifacial gains (600W)				
			600	610	615	620	630	660	720	780
Power Output (-0/+3%)	P _{max}	W _p	600	610	615	620	630	660	720	780
Module Efficiency	%		23.2	23.6	23.8	24.0	24.4	25.6	27.9	30.2
Open Circuit Voltage	V _{oc}	V	53.0	53.13	53.19	53.25	53.0	53.0	53.0	53.0
Short Circuit Current	I _{sc}	A	14.14	14.31	14.4	14.49	14.85	15.55	16.97	18.38
Rated Voltage	V _{mp}	V	44.68	44.81	44.87	44.94	44.68	44.68	44.68	44.68
Rated Current	I _{mp}	A	13.44	13.62	13.71	13.80	14.11	14.78	16.13	17.47

Mechanical Data

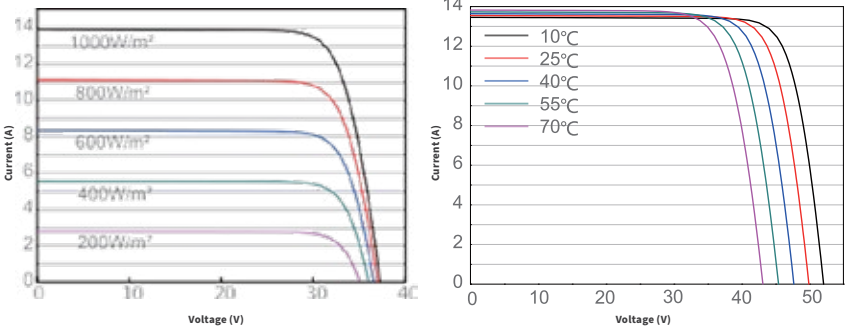
Solar Cells	n-type mono-crystalline silicon
Cell Orientation	144 half-cut cells
Module Dimension	89.69" x 44.65" x 1.38" 2,278 mm x 1,134 mm x 35 mm
Weight	69.99 lbs. (31.75 kg)
Front Glass	2 mm tempered, low-iron, anti-reflective
Back Glass	2 mm semi-tempered glass
Frame	35 mm Anodized Aluminum, Silver or Black
Encapsulant	Polyolefin elastomer (POE)
Junction Box	Protection class IP68 with 3 bypass-diodes
Cable	12AWG 1200mm
Connector	Staubli MC4

*Frame, glass, cables and other components may be customized, ask your sales representative for available options.

Current-Voltage Curves

AXN10M580: 580W, 144 Half-Cut Cell Module

Current-voltage characteristics with dependence on irradiance and module temperature



Temperature Coefficients

Normal Operating Cell Temperature (NOCT)	45 °C
Temperature Coefficient of P _{max}	-0.29%/ °C
Temperature Coefficient of V _{oc}	-0.25%/ °C
Temperature Coefficient of I _{sc}	+0.05%/ °C

Operating Conditions

Maximum System Voltage	VDC 1500
Operating Temperature Range	-40°F to 185°F (-40°C to +85°C)
Maximum Series Fuse Rating	30A
Fire Safety Classification	Type 1
Front & Back Load	Up to 2,400 Pa snow and 2,400 Pa wind
Hail Safety Impact Velocity	25mm at 23 m/s

Certifications & Tests

UL61730; UL1703



Transport info

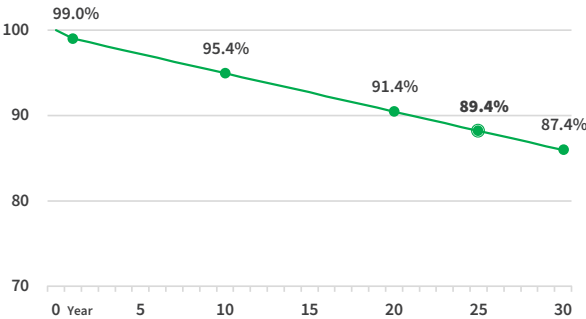
53' Double Stack

Single Pallet [28 solar modules]

Pallets	Panels	600W Bin	Weight	Width	Height	Length
22	616	369.60 kW	2,053 lbs. (931 kg)	45 in (1,143 mm)	48.66 in (1,236 mm)	93.23 in (2,368 mm)

Power Performance Warranty

0.4% linear degradation after year one (1%)



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Auxin Solar, 6835 Via Del Oro, San Jose, CA 95119 Auxin Solar Inc. reserves the right to make specification changes without notice.

144 DC052224 v5.4
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