



**375 - 400 Wp**

**AXITEC**

## AXIbiprime GXL WB

High performance bifacial solar module  
120 halfcell, glass/glass, Heterojunction

The advantages:



15 years Manufacturer's warranty



Up to 25 % more power output by  
Bifacial-Technology



Less PID through glass/glass-technology



100 % visual electroluminescence inspection  
in production



Increased safety through improved  
fire protection

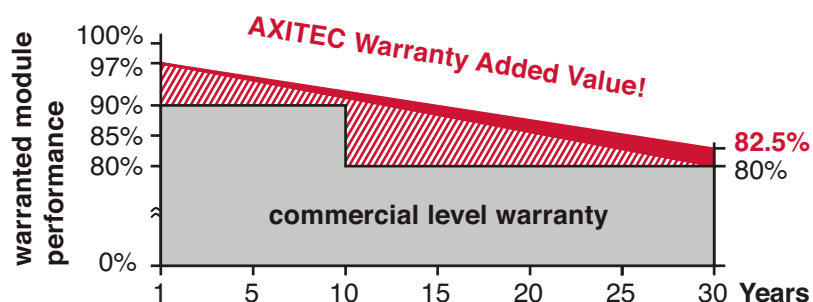


More performance through innovative  
Heterojunction-Technology



**Exclusive linear AXITEC high performance guarantee!**

- 15 years manufacturer's guarantee on 90 % of the nominal performance
- 30 years manufacturer's guarantee on 82,5 % of the nominal performance



## AXIbiprime GXL WB 375 - 400 Wp



**Electrical data** (at standard conditions (STC) irradiance 1000 watt/m<sup>2</sup>, spectrum AM 1.5 at a cell temperature of 25°C)

Type	AC-375JGB/120WB	AC-380JGB/120WB	AC-385JGB/120WB	AC-390JGB/120WB	AC-395JGB/120WB	AC-400JGB/120WB
Nominal output	375 Wp	380 Wp	385 Wp	390 Wp	395 Wp	400 Wp
Nominal voltage U <sub>mpp</sub>	37.34 V	37.52 V	37.70 V	37.91 V	38.16 V	38.36 V
Nominal current I <sub>mpp</sub>	10.05 A	10.14 A	10.22 A	10.30 A	10.36 A	10.43 A
Short circuit current I <sub>sc</sub>	10.44 A	10.50 A	10.56 A	10.62 A	10.68 A	10.74 A
Open circuit voltage U <sub>oc</sub>	44.04 V	44.22 V	44.35 V	44.48 V	44.61 V	44.74 V
Module conversion efficiency	20.59 %	20.86 %	21.13 %	21.41 %	21.68 %	21.96 %

### Bifacial output - Backside Power gain

10% Power output	412.50 Wp	418.00 Wp	423.50 Wp	429.00 Wp	434.50 Wp	440.00 Wp
Module Efficiency	22.64 %	22.95 %	23.25 %	23.55 %	23.85 %	24.15 %
15% Power output	431.25 Wp	437.00 Wp	442.75 Wp	448.50 Wp	454.25 Wp	460.00 Wp
Module Efficiency	23.67 %	23.99 %	24.30 %	24.62 %	24.94 %	25.25 %
20% Power output	450.00 Wp	456.00 Wp	462.00 Wp	468.00 Wp	474.00 Wp	480.00 Wp
Module Efficiency	24.70 %	25.03 %	25.36 %	25.69 %	26.02 %	26.35 %
25% Power output	468.75 Wp	475.00 Wp	481.25 Wp	487.50 Wp	493.75 Wp	500.00 Wp
Module Efficiency	25.73 %	26.07 %	26.42 %	26.76 %	27.10 %	27.45 %

### Design

Frontside	2.0 mm hardened, low-reflection white glass
Backside	2.0 mm hardened, low-reflection white glass intercellular spaces white
Cells	120 bifacial heterojunction high efficiency cells
Film	Composite film (transparent)
Frame	30 mm black aluminium frame

### Mechanical data

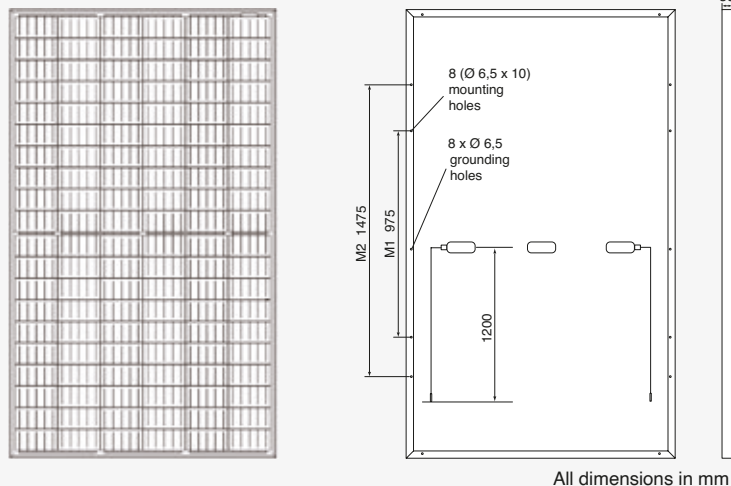
L x W x H	1755x 1038 x 30 mm
Weight	23.5 kg with frame

### Mechanical load

Design load (pressure/suction)	3600 Pa / 1600 Pa
Test load (pressure/suction)	5400 Pa / 2400 Pa

### Power connection

Socket	Protection Class IP68
Wire	approx. 1.2 m, 4 mm <sup>2</sup>
Plug-in system	Plug/socket IP68, Stäubli EVO2 / EVO2 pluggable



### Limit values

System voltage	1500 VDC
NOCT (nominal operating cell temperature)*	45°C +/-2K
Reverse current feed IR	20.0 A

Permissible operating temperature	-40°C to 85°C / -40°F to 185°F
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Bifaciality	80 % ± 5 %
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(No external voltages greater than U<sub>oc</sub> may be applied to the module)

\* NOCT, irradiance 800 W/m<sup>2</sup>; AM 1.5; wind speed 1 m/s; Temperature 20°C

### Temperature coefficients

Voltage U <sub>oc</sub>	-0.24 %/K
Current I <sub>sc</sub>	0.04 %/K
Output P <sub>mpp</sub>	-0.29 %/K

### Low-light performance without Bifacial-effect

(Example for AC-400JGB/120WB)

I-U characteristic curve	Current I <sub>pp</sub>	Voltage U <sub>pp</sub>
200 W/m <sup>2</sup>	2.13 A	36.92 V
400 W/m <sup>2</sup>	4.30 A	37.34 V
600 W/m <sup>2</sup>	6.42 A	37.63 V
800 W/m <sup>2</sup>	8.49 A	37.96 V
1000 W/m <sup>2</sup>	10.43 A	38.36 V

### Packaging

Module pieces per pallet	35
Module pieces per HC-container	910