AXIpremiumlite 25 year Edition

120 cell full-square monocrystalline High performance solar module

German engineered – made for America

- 25 years manufacturer’s warranty
- Five more years than industry standard
- Highest module performance through Half-Cut-technology and tested materials
- Positive power tolerance from 0-5 Wp
- Higher guaranteed yield
- Snow load of up to 113 psf
- Stable module for a long life in extreme conditions
- 100 % electroluminescence inspection
- Micro crack and hotspot free modules
- Axitec-Soft-Grip-Seam aluminum frame
- Higher stability and easier handling
- High quality junction box and connector system for a longer life time

Exclusive linear AXITEC high performance guarantee!

- 15 years manufacturer's guarantee on 90% of the nominal performance
- 25 years manufacturer's guarantee on 85% of the nominal performance

AXITEC Warranty Added Value!

- 1 - 8% more power after 25 years

AXITEC high quality german solar brand

325 - 340 Wp

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

axitec premiumlite
25 year edition
120 cell full-square monocrystalline high performance solar module

German engineered – made for America

- 25 years manufacturer’s warranty
- Five more years than industry standard
- Highest module performance through Half-Cut-technology and tested materials
- Positive power tolerance from 0-5 Wp
- Higher guaranteed yield
- Snow load of up to 113 psf
- Stable module for a long life in extreme conditions
- 100 % electroluminescence inspection
- Micro crack and hotspot free modules
- Axitec-Soft-Grip-Seam aluminum frame
- Higher stability and easier handling
- High quality junction box and connector system for a longer life time

Exclusive linear AXITEC high performance guarantee!

- 15 years manufacturer's guarantee on 90% of the nominal performance
- 25 years manufacturer's guarantee on 85% of the nominal performance

AXITEC Warranty Added Value!

- 1 - 8% more power after 25 years

AXITEC high quality german solar brand

325 - 340 Wp
Design
Frontside 0.13 inch (3.2 mm) hardened, low-reflection white glass
Cells 120 monocrystalline high efficiency cells
Backside Composite film
Frame 1.38 inch (35 mm) black aluminium frame

Mechanical data
L x W x H 66.30 x 39.45 x 1.38 inch (1684 x 1002 x 35 mm)
Weight 41.89 lbs (19.0 kg) with frame

Power connection
Socket Protection Class IP68
Wire 43.3 inch, AWG 11
Plug-in system Plug/socket IP68, Stäubli MC4

Limit values
System voltage 1000 VDC (UL) 1000 VDC (IEC)
Module Fire Performance TYPE 1 (UL 1703)
or CLASS C (IEC 61730)
NOCT (nominal operating cell temperature)* 45°C +/-2K
Max. load-carrying capacity 113 PSF
Reverse current feed IR 20.0 A
Permissible operating temperature -40°C to 85°C / -40°F to 185°F
(No external voltages greater than Vo may be applied to the module)

* NOCT, irradiance 800 W/m²; AM 1.5;
wind speed 1 m/s; Temperature 20°C

Temperature coefficients
Voltage Uoc -0.29 %/K
Current Isc 0.04 %/K
Output Pmpp -0.39 %/K

Low-light performance (Example for AC-340MH/120S)
I-U characteristic curve Current Ipp Voltage Upp
200 W/m² 2.09 A 32.06V
400 W/m² 4.21 A 32.43 V
600 W/m² 6.29 A 32.68 V
800 W/m² 8.32 A 32.96 V
1000 W/m² 10.21 A 33.31 V

Packaging
Module pieces per pallet 30
Module pieces per HC-container 780

Technical data are subject to change without prior notice, errors excepted. The measurement tolerances are +/-3%. Please be aware: All technical data provided in our data sheets are property of Axitec LLC and intended for information purposes for our customers only. We cannot accept any guarantee of completeness or accuracy. These data are prohibited for any kind of commercial use.