

300 - 310 Wp



AXIworldprotect MB

60 cell glass/glass monocrystalline High performance solar module

The advantages:

15 Years

15 years manufacturer's warranty



PID-free through glass/glass-technology



Guaranteed positive power tolerance from 0-5 Wp by individual measurement



Maximum 5400 Pa snow load



100% electroluminescence inspection



High quality junction box and connector systems

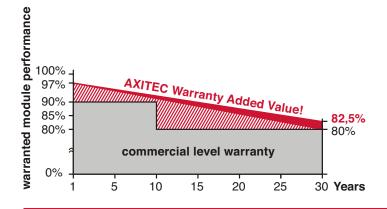
Exclusive linear AXITEC high performance guarantee!

• 15 years manufacturer's guarantee on 90% of the nominal performance

• 30 years manufacturer's guarantee on 82,5% of the nominal performance



60MGEN200311A-126/1







AXIworldprotect MB 300 - 310 Wp

Electrical data (at standard conditions (STC) irradiance 1000 watt/m², spectrum AM 1,5 at a cell temperature of 25°C)

Type	Nominal output Pmpp	Nominal voltage Umpp	Nominal current Impp	Short circuit current Isc	Open circuit voltage Uoc	Module conversion efficiency
AC-300MG/60S	300 Wp	32,37 V	9,27 A	9,74 A	39,72 V	18,07 %
AC-305MG/60S	305 Wp	32,63 V	9,35 A	9,79 A	39,82 V	18,37 %
AC-310MG/60S	310 Wp	32,95 V	9,41 A	9,83 A	39,91 V	18,67 %

Design

Frontside 2,5 mm hardened, low-reflection white glass
Backside 2,5 mm hardened, low-reflection white glass
Cells 60 monocrystalline high efficiency cells

Film Composite film (black)

Frame 35 mm black aluminium frame

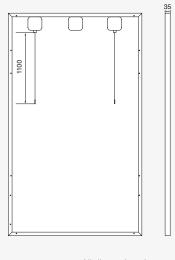
Mechanical data

L x W x H 1664 x 998 x 35 mm Weight 24,0 kg with frame

Power connection

Socket Protection Class IP67
Wire approx. 1,1 m, 4 mm²
Plug-in system Plug/socket IP67, MC4





All dimensions in mm

Limit values

System voltage 1000 VDC

NOCT (nominal operating cell temperature)* 45°C +/-2K

Max. load-carrying capacity 5400 N/m²

Reverse current feed IR 20,0 A

Permissible operating

temperature -40°C to 85°C / -40F to 185F

(No external voltages greater than Uoc 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-300MG/60S)

I-U characteristic curve	Current Ipp	Voltage Upp
200 W/m ²	2,15 A	30,17 V
400 W/m ²	3,71 A	31,20 V
600 W/m ²	6,05 A	31,81 V
800 W/m ²	7,57 A	32,10 V
1000 W/m ²	9,27 A	32,37 V