

Solar module

# AXM-60<sup>3.2</sup> HIGHPOWER premium

**AXSUN** Solar  
„German Modules with Character“



Alu-  
minium-  
Black

Alu-  
minium-  
Silver

Laminate



- **15 year product guarantee\***  
on premium and deluxe products with tempered safety solar glass
- **10 year product guarantee\***  
on premium products with ARC tempered safety solar glass (anti-reflection coating)
- **25 year performance guarantee\*\***
- very good performance tolerance 0/+5Wp

- compatible with all common inverters
- constant production control
- Processing of high quality components according to German quality standards
- optional with embedded Solaredge power optimizer for up to 25% more energy

\* You can call up our detailed guarantee and performance conditions under [www.axsun.de](http://www.axsun.de).

\*\* Performance guarantee: 97.5% in the 1st year, linearised performance guarantee from the 2nd year onwards with a maximum 0.7% reduction in performance per year. Guaranteed 91.2% of the performance in the 10th year and 80.7% of the performance in the 25th year (related to the specified minimum performance).



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## HIGHPOWER premium

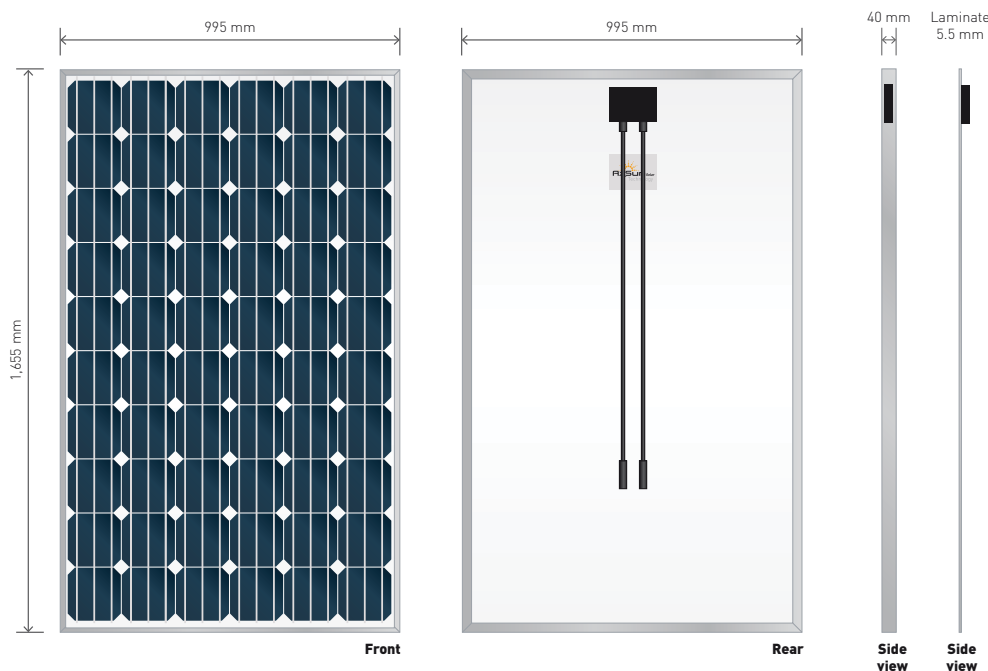
www.axsun.de

Basic data	Module	Laminate
Dimensions	Length 1,655 mm Width 995 mm Height 40 mm	Length 1,646 mm Width 986 mm Height 5.5 mm <i>(without connecting socket)</i>
Weight	17.9 kg	16.8 kg
Cells	60 monocrystalline solar cells (156x156mm)	
Glass	3.2 mm hardened safety glass, optional with anti-reflection coating	
Frame	Anodised aluminium section with hollow chamber and drainage holes, black or silver anodised	
Bypass-diodes	3 pieces	
Connecting socket	plastic, IP65 type of protection, optional with embedded Solaredge power optimizer	
Cable, plug	4 mm <sup>2</sup> solar cable, 1,000 mm long, high-quality plug system, MC4 compatible	
Max. Voltage	1,000 V	
Max. return current	15 A	
Temperature range	-40°C to 85°C	
Max. pressure load	5,400 Pascal	*
Max. dynamic load	2,400 Pascal	*
Application class (acc. to IEC 61730)	A	
Fire class (acc. to IEC 61730)	C	
Protection class	II	

Electrical data		AX M-60 280	AX M-60 285	AX M-60 290
under standard test conditions*				
Rated power	$P_{MPP}$ [Wattpeak]	280 Wp	285 Wp	290 Wp
Rated voltage	$U_{MPP}$ [Volt]	31.49 V	31.75 V	32.01 V
Rated current	$I_{MPP}$ [Ampere]	8.89 A	8.98 A	9.06 A
No-load voltage	$U_{OC}$ [Volt]	38.74 V	39.06 V	39.38 V
Short-circuit current	$I_{SC}$ [Ampere]	9.50 A	9.59 A	9.68 A
Efficiency	$\eta$	17.00 %	17.31 %	17.61 %

Electrical behaviour		AX M-60 280	AX M-60 285	AX M-60 290
under NOCT**				
Rated power NOCT	$P_{NOCT}$ [Wattpeak]	203 Wp	207 Wp	210 Wp
Rated voltage	$U_{MPP}$ [Volt]	28.18 V	28.41 V	28.64 V
Rated current	$I_{MPP}$ [Ampere]	7.19 A	7.26 A	7.33 A
No-load voltage	$U_{OC}$ [Volt]	35.21 V	35.51 V	35.80 V
Short-circuit current	$I_{SC}$ [Ampere]	7.69 A	7.77 A	7.84 A

Temperature coefficient (in case of temperature change)		AX M-60 280	AX M-60 285	AX M-60 290
Power	$P_{MPP}$ [Watt]	$Tk P_{MPP} = -0.46 \% / K$		
Voltage	$U_{OC}$ [Volt]	$Tk U_{OC} = -0.367 \% / K$		
Current	$I_{SC}$ [Ampere]	$Tk I_{SC} = 0.04 \% / K$		







Sales partner AxSun Solar



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Certified in accordance with IEC 61215 ed.2 and IEC 61730 u. p. • Further information in the assembly and installation instructions • All data on this data sheet comply with DIN EN 50380 • Measuring tolerance rated power: +/- 4%; other values: Measuring tolerance: +/- 10% • \*depending on roof integration system • \*\* Standard test conditions (STC): Radiation into module plane 1,000 W/m<sup>2</sup>, [AM] 1.5; 25°C • \*\*\* Normal Operating Cell Temperature (NOCT): 800 W/m<sup>2</sup>, [AM] 1.5; 47°C