

Solar module

AX M-60^{3.2} 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.

** 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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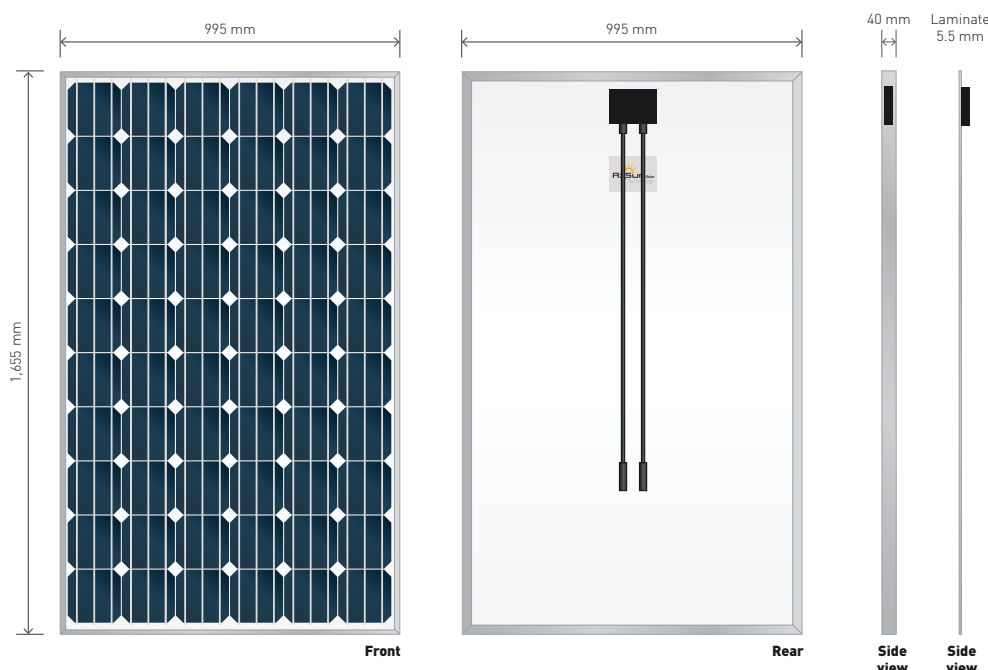
www.axsun.de

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 ² 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-60 265	AX M-60 270	AX M-60 275
under standard test conditions*				
Rated power	P_{MPP} [Wattpeak]	265 Wp	270 Wp	275 Wp
Rated voltage	U_{MPP} [Volt]	30.71 V	30.96 V	31.21 V
Rated current	I_{MPP} [Ampere]	8.63 A	8.72 A	8.81 A
No-load voltage	U_{OC} [Volt]	37.77 V	38.08 V	38.39 V
Short-circuit current	I_{SC} [Ampere]	9.23 A	9.32 A	9.42 A
Efficiency	η	16.09 %	16.40 %	16.70 %

Electrical behaviour		AX M-60 265	AX M-60 270	AX M-60 275
under NOCT**				
Rated power NOCT	P_{NOCT} [Wattpeak]	192 Wp	196 Wp	199 Wp
Rated voltage	U_{MPP} [Volt]	27.47 V	27.7 V	27.93 V
Rated current	I_{MPP} [Ampere]	6.98 A	7.06 A	7.13 A
No-load voltage	U_{OC} [Volt]	34.34 V	34.62 V	34.9 V
Short-circuit current	I_{SC} [Ampere]	7.47 A	7.55 A	7.62 A

Temperature coefficient (in case of temperature change)		AX M-60 265	AX M-60 270	AX M-60 275
Power	P_{MPP} [Watt]	$Tk P_{MPP} = -0.46 \% / K$		
Voltage	U_{OC} [Volt]	$Tk U_{OC} = -0.367 \% / K$		
Current	I_{SC} [Ampere]	$Tk I_{SC} = 0.04 \% / K$		



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