

PREMIUM BLACK AXM-60_{3.2}



„Feel the power of the crystals.“




- **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****
- Processing of high quality components according to German quality standards
- very good performance tolerance 0/+5Wp
- compatible with all common inverters
- constant production control
- 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).



www.axsun.de


AXSUN Solar
„German Modules with Character“

PREMIUM BLACK AX M-60 3.2

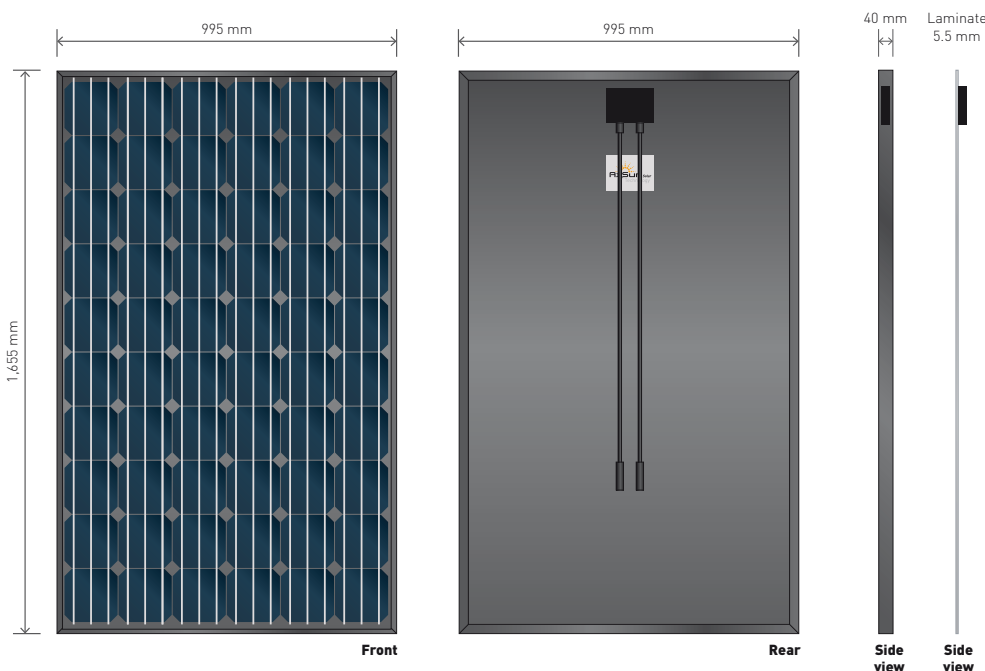
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Basic data	Module	Laminate
Dimensions	Length 1,655 mm Width 995 mm Height 40 mm	Length 1,646 mm Width 986 mm Height 5.5 mm (without connecting socket)
Weight	17.9 kg	16.8 kg
Cells	60 monocrystalline solar cells (156x156mm)	
Glass	3.2 mm hardened safety glass, optional with anti-reflection coating	
Frame	Anodised aluminium section with hollow chamber and drainage holes, black	
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	
Rated power 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	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)		
Power	P_{MPP} [Watt]	$Tk P_{MPP} = -0.46 \%/K$
Voltage	U_{OC} [Volt]	$Tk U_{OC} = -0.367 \%/K$
Current	I_{SC} [Ampere]	$Tk I_{SC} = 0.04 \%/K$



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/m², (AM) 1.5; 25°C • *** Normal Operating Cell Temperature (NOCT): 800 W/m², (AM) 1.5; 47°C