

Solar module

AX P-54^{3.2} premium

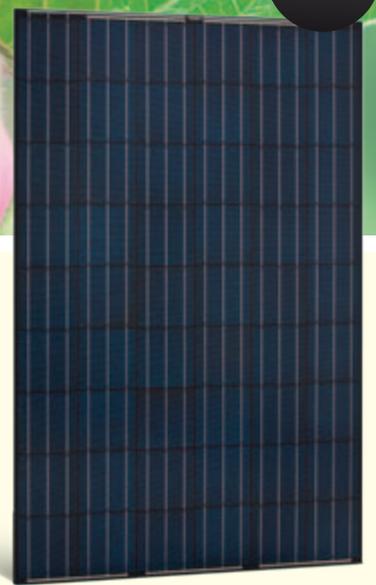
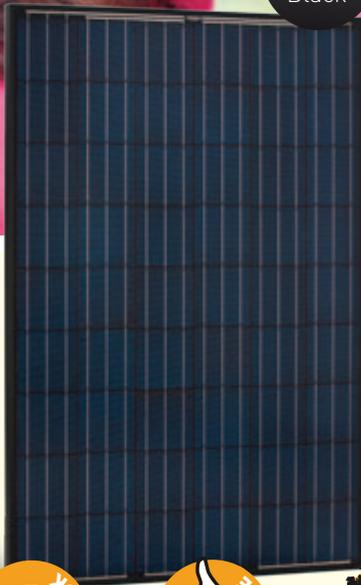
AXSUN Solar
„German Modules with Character“



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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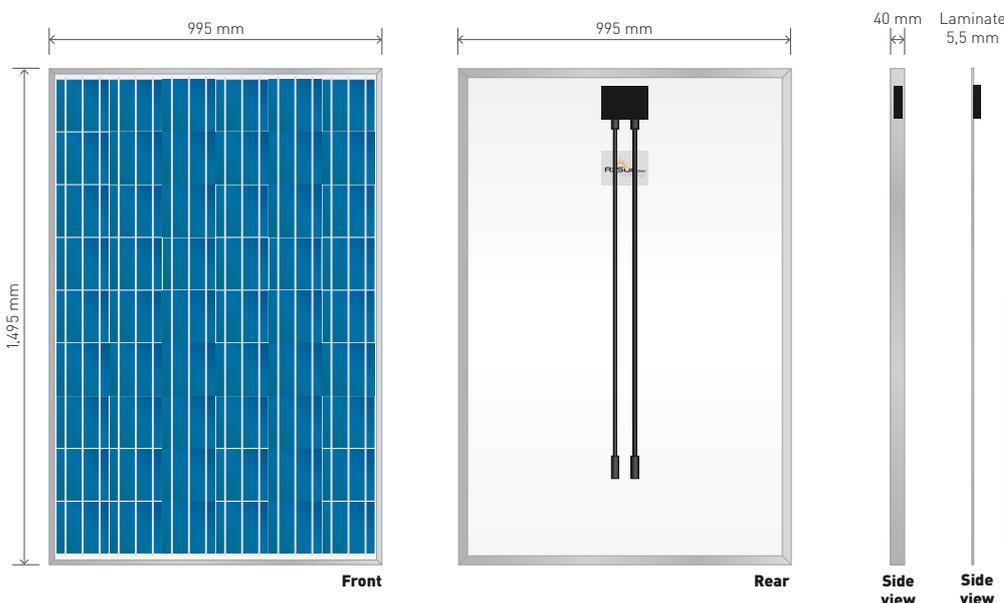
www.axsun.de

Basic data	Module	Laminate
Dimensions	Length 1,495 mm Width 995 mm Height 40 mm	Length 1,486 mm Width 986 mm Height 5.5 mm <i>(without connecting socket)</i>
Weight	16.1 kg	13.6 kg
Cells	54 polycrystalline 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 P-54 230	AX P-54 235	AX P-54 240
under standard test conditions**				
Rated power	P_{MPP} [Wattpeak]	230 Wp	235 Wp	240 Wp
Rated voltage	U_{MPP} [Volt]	27.09 V	27.42 V	27.46 V
Rated current	I_{MPP} [Ampere]	8.49 A	8.57 A	8.74 A
No-load voltage	U_{OC} [Volt]	33.32 V	33.73 V	33.78 V
Short-circuit current	I_{SC} [Ampere]	9.08 A	9.16 A	9.34 A
Efficiency	η	15.46 %	15.80 %	16.13 %

Electrical behaviour		AX P-54 230	AX P-54 235	AX P-54 240
under NOCT***				
Rated power NOCT	P_{NOCT} [Wattpeak]	167 Wp	170 Wp	174 Wp
Rated voltage	U_{MPP} [Volt]	24.23 V	24.53 V	24.57 V
Rated current	I_{MPP} [Ampere]	6.87 A	6.93 A	7.07 A
No-load voltage	U_{OC} [Volt]	30.29 V	30.66 V	30.71 V
Short-circuit current	I_{SC} [Ampere]	7.35 A	7.42 A	7.56 A

Temperature coefficient (in case of temperature change)		AX P-54 230	AX P-54 235	AX P-54 240
Power	P_{MPP} [Watt]	$Tk P_{MPP} = -0.438 \% / K$		
Voltage	U_{OC} [Volt]	$Tk U_{OC} = -0.325 \% / K$		
Current	I_{SC} [Ampere]	$Tk I_{SC} = 0.045 \% / K$		



Sales partner AxSun Solar



Certified in accordance with IEC 61215 ed.2 and IEC 61730 • 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