

AX P-60^{3.2}

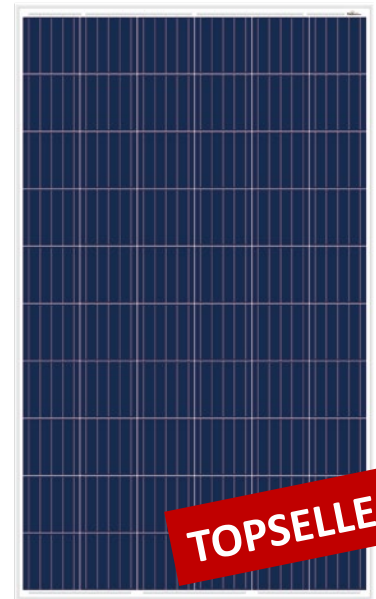
premium bluePOWER



*Photovoltaic modules from German manufacturer -
developed and manufactured with
German quality demand*

**reliable . powerful . attractive
passionate . honest . empathic**

- ▶ Front with 3.2 mm tempered safety solar glass
- ▶ Optimal use of the sun by high-efficiency polycrystalline cells
- ▶ Plus sorting for extra yield
- ▶ PID free
- ▶ 100% EL tested
- ▶ 100% Made in Germany



TOPSELLER!

*****vorläufiges Datenblatt*****



- ▶ 15 year product guarantee
- ▶ 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



www.axsun.de

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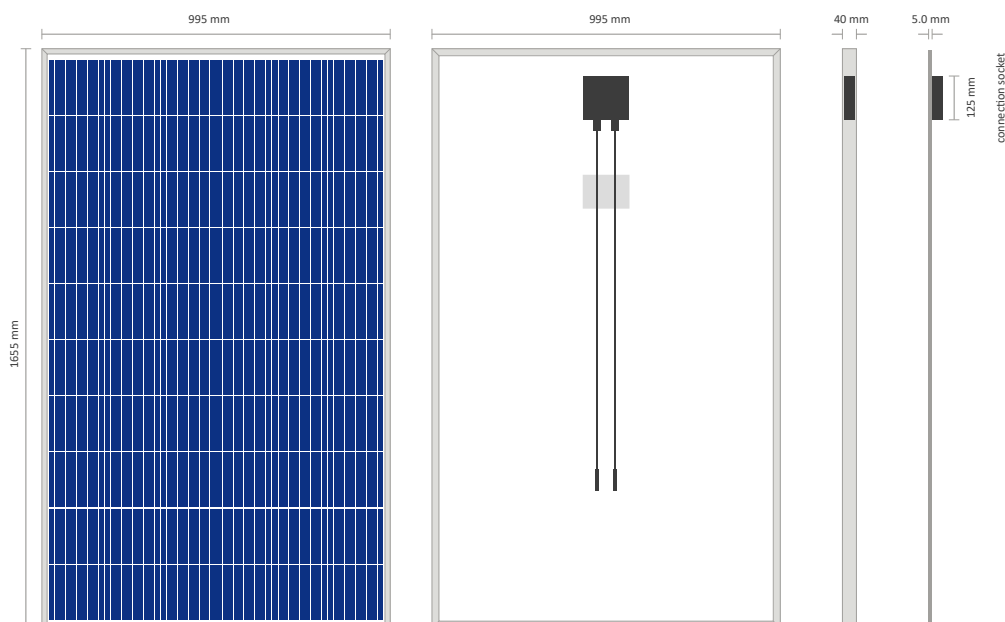
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Basic data	
Dimensions (LxWxH)	1655 x 995 x 40 mm
Weight	17,9 kg
Cells	60 polycrystalline solar cells (156x156mm)
Glass front	3,2 mm hardened safety glass
Frame	Anodised aluminium section with hollow chamber and drainage holes, silver anodised
Bypass diodes	3 pieces (SMD diodes with cooling plate)
Connection socket	Connecting socket plastic, IP67 type of protection
Cable, plug	4mm ² solar cable, 1.000 mm long, high-quality plug system, original MC4
Max. Voltage	1000 V
Max. return current	20 A
Temperature range	-40°C to 85°C
Max. pressure load (with third mounting rail, please follow installation instructions)	7200 Pascal
Max. pressure load	5400 Pascal
Max. dynamic load	2400 Pascal
Application class (acc. to IEC 61730)	A
Fire class (acc. to IEC 61730)	C
Protection class	II

Electrical data		AX P-60 270	AX P-60 275	AX P-60 280
under standard test conditions *				
Rated power	P _{MPP} [Wattpeak]	270 Wp	275 Wp	280 Wp
Rated voltage	U _{MPP} [Volt]	31.03 V	31.36 V	31.67 V
Rated current	I _{MPP} [Ampere]	8.70 A	8.77 A	8.84 A
No-load voltage	U _{OC} [Volt]	38.17 V	38.57 V	38.96 V
Short-circuit current	I _{SC} [Ampere]	9.30 A	9.38 A	9.45 A
Efficiency	η	16.40 %	16.70 %	17.00 %

Electrical behaviour under NOCT**				
Rated power NOCT	P _{NOCT} [Wattpeak]	196 Wp	199 Wp	203 Wp
Rated voltage	U _{MPP} [Volt]	27.77 V	28.06 V	28.34 V
Rated current	I _{MPP} [Ampere]	7.04 A	7.10 A	7.15 A
No-load voltage	U _{OC} [Volt]	34.70 V	35.06 V	35.42 V
Short-circuit current	I _{SC} [Ampere]	7.53 A	7.59 A	7.65 A

Temperature coefficient (in case of temperature change)			
Power	P _{MPP} [Wattpeak]		Tk P _{MPP} = -0.406 %/K
Voltage	U _{OC} [Volt]		Tk U _{OC} = -0.308 %/K
Current	I _{SC} [Ampere]		Tk I _{SC} = 0.057 %/K



takeaway
for an easy way



Sales partner AxSun Solar

100%
MADE IN
GERMANY

Certified in accordance with IEC 61215 ed.2 and IEC 61730 • All data on this data sheet comply with DIN EN 50380 • Further information in the assembly and installation instructions •

You can call up our detailed guarantee and performance conditions under www.axsun.de • WEEE-Reg.-Nr. DE 71294982 • Measuring tolerance rated power: +/- 4%;

other values: Measuring tolerance: +/- 10% • * 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