Solar module

AX P-36 3.2 premium

AXSUN Solar

„German Modules with Character"

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

reliable . powerful . attractive

passionate . honest . empathic

Our premium high efficiency photovoltaic module AX P-36 with 3.2 mm hardened safety solar glass.
With 36 solar cells and small design - therefore excellently suitable also for unusual locations.

- Slim, compact design
- Suited for off-grid or mobile use
- 100% Made in Germany

- **15 year product guarantee***
- 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

* 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

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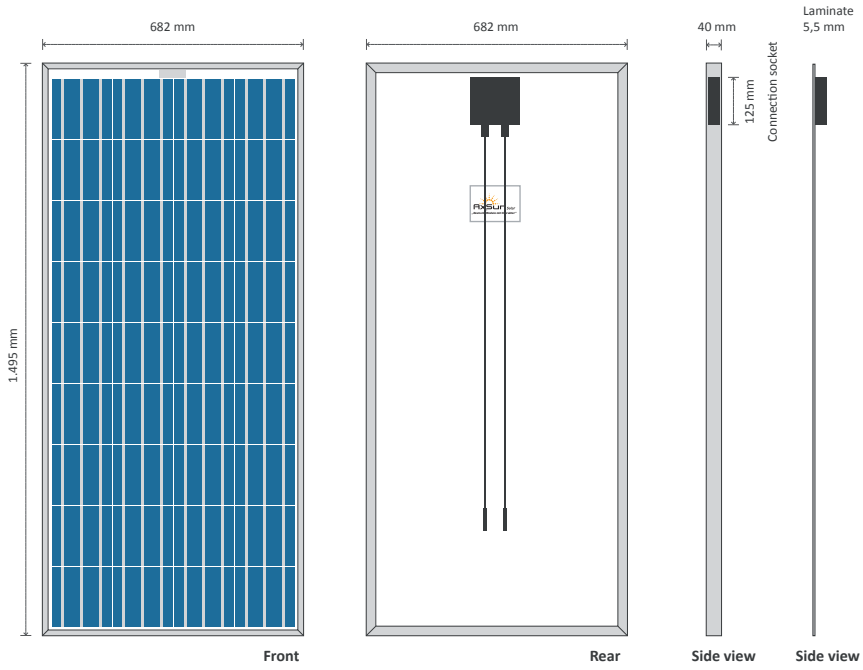
Basic data	Module		Laminate	
Dimensions	Length Width Height	1.495 mm 682 mm 40 mm	Length Width Height	1.486 mm 674 mm 5,5 mm
Weight	11,2 kg		9,5 kg	
Cells	36 polycrystalline solar cells (156x156mm)			
Glass	3,2 mm hardened safety glass			
Frame	Anodised aluminium section with hollow chamber and drainage holes, black or silver anodised		-	
Bypass diodes	2 pieces			
connection socket	plastic, IP65 type of protection			
Cable, plug	$4mm^2$ 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 bis 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 under standard test conditions *			AX P-36 155	AX P-36 160
Rated power	P_{MPP}	[Wattpeak]	155 Wp	160 Wp
Rated voltage	U_{MPP}	[Volt]	18,25 V	18,58 V
Rated current	I_{MPP}	[Ampere]	8,49 A	8,61 A
No-load voltage	U_{OC}	[Volt]	22,45 V	22,86 V
Short-circuit current	I_{SC}	[Ampere]	9,08 A	9,20 A
Efficiency	η		15,20 %	15,69 %

Electrical behaviour under NOCT**				
Rated power NOCT	P_{NOCT}	[Wattpeak]	112 Wp	116 Wp
Rated voltage	U_{MPP}	[Volt]	16,33 V	16,63 V
Rated current	I_{MPP}	[Ampere]	6,87 A	6,97 A
No-load voltage	U_{OC}	[Volt]	20,41 V	20,78 V
Short-circuit current	I_{SC}	[Ampere]	7,35 A	7,45 A

Temperature coefficient (in case of temperature change)			
Power	P_{MPP}	[Wattpeak]	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% • * 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 • ***depending on roof integration system