

Solar module

# AX M-36<sup>3.2</sup> 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 M-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](http://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](http://www.axsun.de)

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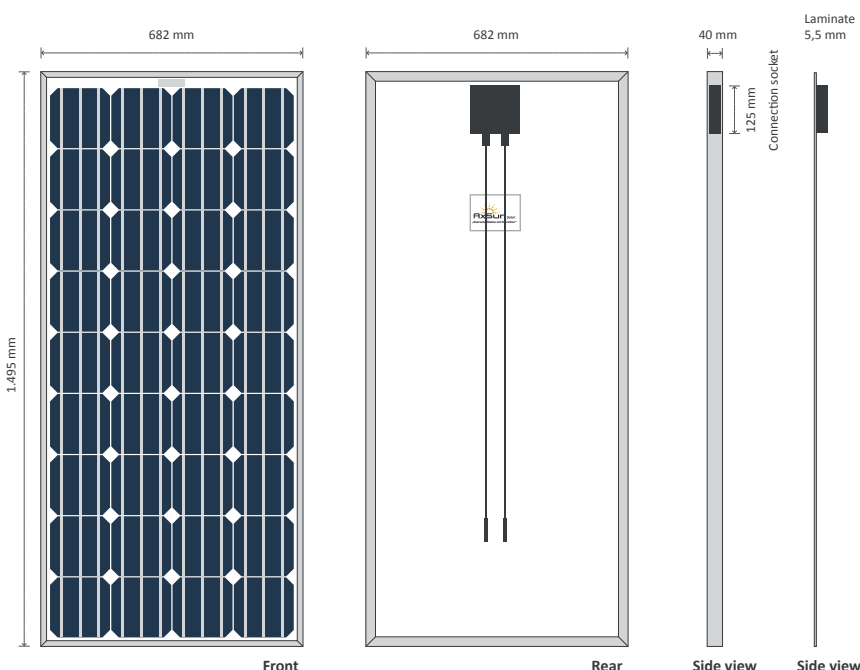
[www.axsun.de](http://www.axsun.de)

Basic data	Module	Laminate
Dimensions	Length	1.495 mm
	Width	682 mm
	Height	40 mm
Weight		11,2 kg
		9,5 kg
Cells	36 monocrystalline 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 <sup>2</sup> 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 <small>(acc. to IEC 61730)</small>	A	
Fire class <small>(acc. to IEC 61730)</small>	C	
Protection class	II	

Electrical data		AX M-36	AX M-36
under standard test conditions *		160	165
Rated power	$P_{MPP}$ [Wattpeak]	160 Wp	165 Wp
Rated voltage	$U_{MPP}$ [Volt]	18,35 V	18,73 V
Rated current	$I_{MPP}$ [Ampere]	8,72 A	8,81 A
No-load voltage	$U_{OC}$ [Volt]	22,57 V	23,04 V
Short-circuit current	$I_{SC}$ [Ampere]	9,32 A	9,42 A
Efficiency	$\eta$	15,69 %	16,18 %

Electrical behaviour		AX M-36	AX M-36
under NOCT**		116 Wp	120 Wp
Rated power NOCT	$P_{NOCT}$ [Wattpeak]	116 Wp	120 Wp
Rated voltage	$U_{MPP}$ [Volt]	16,42 V	16,76 V
Rated current	$I_{MPP}$ [Ampere]	7,06 A	7,13 A
No-load voltage	$U_{OC}$ [Volt]	20,52 V	20,94 V
Short-circuit current	$I_{SC}$ [Ampere]	7,55 A	7,62 A

Temperature coefficient (in case of temperature change)		
Power	$P_{MPP}$ [Wattpeak]	$Tk P_{MPP} = -0,46 \% / K$
Voltage	$U_{OC}$ [Volt]	$Tk U_{OC} = -0,367 \% / K$
Current	$I_{SC}$ [Ampere]	$Tk I_{SC} = 0,04 \% / K$



Sales partner AxSun Solar

