

AX M-36 3.2

premium HIGHPOWER

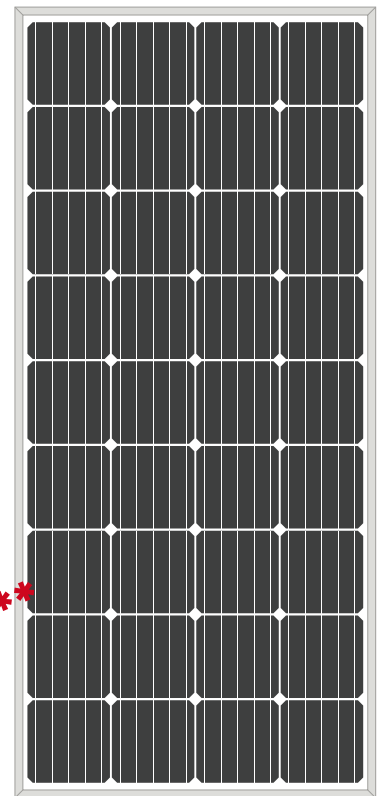
*Photovoltaic modules from German manufacturer -
developed and manufactured with German quality demand*

**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
- ▶ PID free
- ▶ 100% EL tested
- ▶ 100% Made in Germany



*****vorläufiges Datenblatt*****



**premium
HIGHPOWER**

- ▶ 15 years 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
- ▶ further option of integrated Solaredge Power Optimizer maximizing the kWh output up to 25%



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www.axsun.de

Basic data

Dimensions (LxWxH)	1495 x 682 x 40 mm
Weight	11.2 kg
Cells	36 monocrystalline solar cells (156x156 mm)
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 (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	5400 Pascal
Max. dynamic load	2400 Pascal
Application class <small>(acc. to IEC 61730)</small>	A
Fire class <small>(acc. to IEC 61730)</small>	C
Protection class	II
Laminate	Dimensions 1488 x 676 x 5 mm, Weight 9.5 kg

Electrical data

under standard test conditions *

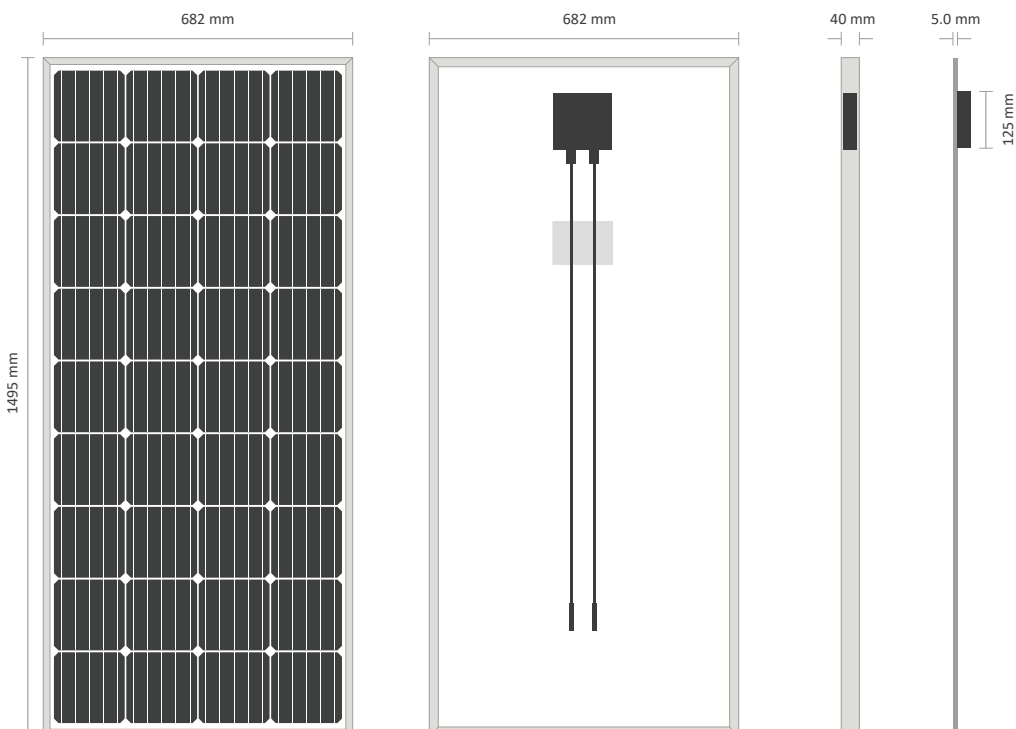
		AX M-36 180	AX M-36 185	AX M-36 190
Rated power	P_{MPP} [Wattpeak]	180 Wp	185 Wp	190 Wp
Rated voltage	U_{MPP} [Volt]	19.54 V	19.89 V	20.32 V
Rated current	I_{MPP} [Ampere]	9.21 A	9.30 A	9.35 A
No-load voltage	U_{OC} [Volt]	24.04 V	24.47 V	24.99 V
Short-circuit current	I_{SC} [Ampere]	9.85 A	9.94 A	10.00 A
Efficiency	η	17.65 %	18.14 %	18.63 %

Electrical behaviour under NOCT**

Rated power NOCT	P_{NOCT} [Wattpeak]	131 Wp	134 Wp	138 Wp
Rated voltage	U_{MPP} [Volt]	17.49 V	17.80 V	18.18 V
Rated current	I_{MPP} [Ampere]	7.45 A	7.52 A	7.57 A
No-load voltage	U_{OC} [Volt]	21.85 V	22.24 V	22.72 V
Short-circuit current	I_{SC} [Ampere]	7.97 A	8.05 A	8.09 A

Temperature coefficient (in case of temperature change)

Power	P_{MPP} [Wattpeak]	$Tk P_{MPP} = -0.38 \%/K$
Voltage	U_{OC} [Volt]	$Tk U_{OC} = -0.30 \%/K$
Current	I_{SC} [Ampere]	$Tk I_{SC} = 0.07 \%/K$



take way
for an easy way



Sales partner AxSun Solar

100%
MADE IN
GERMANY

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