

# AX M-36 3.2 premium

*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



- ▶ **15 years product guarantee**  
on products with tempered safety solar glass
- ▶ **12 years 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
- ▶ further option of integrated Solaredge  
Power Optimizer maximizing the  
kWh output up to 25%



# AX M-36<sup>3.2</sup> premium

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
Connection socket	Connecting socket plastic, IP65 type of protection
Cable, plug	4mm <sup>2</sup> solar cable, 1000 mm long, high-quality plug system, KSK4 (MC4)
Max. Voltage	1000 V
Max. return current	15 A
Temperature range	-40°C to 85°C
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
Laminate	Dimensions 1488 x 676 x 5 mm, Weight 9.5 kg

## Electrical data

under standard test conditions \*

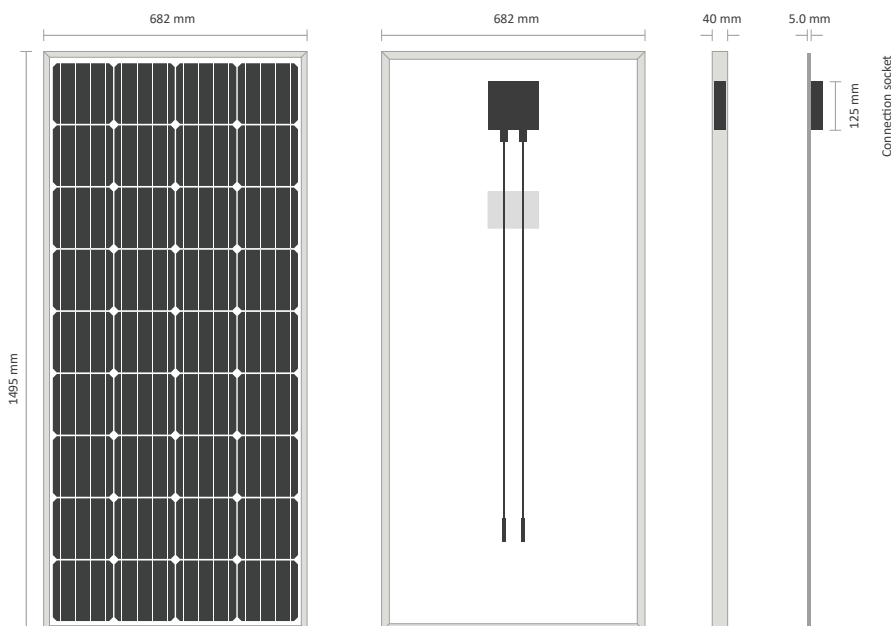
		AX M-36 160	AX M-36 165	AX M-36 170
Rated power	$P_{MPP}$ [Wattpeak]	160 Wp	165 Wp	170 Wp
Rated voltage	$U_{MPP}$ [Volt]	18.35 V	18.73 V	18.94 V
Rated current	$I_{MPP}$ [Ampere]	8.72 A	8.81 A	8.98 A
No-load voltage	$U_{OC}$ [Volt]	22.57 V	23.04 V	23.30 V
Short-circuit current	$I_{SC}$ [Ampere]	9.32 A	9.42 A	9.59 A
Efficiency	$\eta$	15.69 %	16.18 %	16.67 %

## Electrical behaviour under NOCT\*\*

Rated power NOCT	$P_{NOCT}$ [Wattpeak]	116 Wp	120 Wp	123 Wp
Rated voltage	$U_{MPP}$ [Volt]	16.42 V	16.76 V	16.95 V
Rated current	$I_{MPP}$ [Ampere]	7.06 A	7.13 A	7.26 A
No-load voltage	$U_{OC}$ [Volt]	20.52 V	20.94 V	21.18 V
Short-circuit current	$I_{SC}$ [Ampere]	7.55 A	7.62 A	7.77 A

## Temperature coefficient (in case of temperature change)

Power	$P_{MPP}$ [Wattpeak]	$Tk P_{MPP} = -0.42 \%/K$
Voltage	$U_{OC}$ [Volt]	$Tk U_{OC} = -0.32 \%/K$
Current	$I_{SC}$ [Ampere]	$Tk I_{SC} = 0.043 \%/K$



take way  
for an easy way



Sales partner AxSun Solar

100%  
MADE IN  
GERMANY