

# AX M-60 3.2

performer

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

reliable . powerful . attractive  
passionate . honest . empathic

## *The highest quality and most powerful 305 Wp far and wide!!!*

- ▶ High mechanical resistance
- ▶ Optimal use of the sun by high-efficiency monocrystalline PERC cells
- ▶ Plus sorting for extra yield
- ▶ PID free
- ▶ 100% EL tested
- ▶ 100% Made in Germany



100%  
EL-CHECK



100%  
QS-CHECK



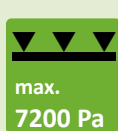
PID  
FREE



100%  
PLUS-  
SORTING



100%  
MADE IN  
GERMANY



max.  
7200 Pa



PERC  
HIGHPOWER

**HIGHPOWER!**  
**305 Wp**

- ▶ 10 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
- ▶ further option of integrated Solaredge Power Optimizer maximizing the kWh output up to 25%



# AX M-60 3.2 performer

www.axsun.de

## Basic data

Dimensions (LxWxH)	1655 x 995 x 40 mm
Weight	18 kg
Cells	60 monocrystalline solar cells (156x156mm)
Glass	3,2 mm hardened safety glass, with anti-reflection coating
Frame	Anodised aluminium section with hollow chamber and drainage holes, black or silver anodised
Bypass diodes	3 pieces
Connection socket	Connecting socket plastic, IP65 type of protection, optional with embedded Solaredge power optimizer
Cable, plug	4mm <sup>2</sup> solar cable, 1.000 mm long, high-quality plug system, MC4
Max. Voltage	1000 V
Max. return current	15 A
Temperature range	-40°C to 85°C
Max. pressure load <small>(with third mounting rail, please follow installation instructions)</small>	7200 Pascal
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 1648 x 988 x 5 mm, Weight 16.9 kg

## Electrical data under standard test conditions \*

		AX M-60 300	AX M-60 305
Rated power	$P_{MPP}$ [Wattpeak]	300 Wp	305 Wp
Rated voltage	$U_{MPP}$ [Volt]	32.51 V	32.76 V
Rated current	$I_{MPP}$ [Ampere]	9.23 A	9.31 A
No-load voltage	$U_{OC}$ [Volt]	39.99 V	40.29 V
Short-circuit current	$I_{SC}$ [Ampere]	9.86 A	9.95 A
Efficiency	$\eta$	18.22 %	18.52 %

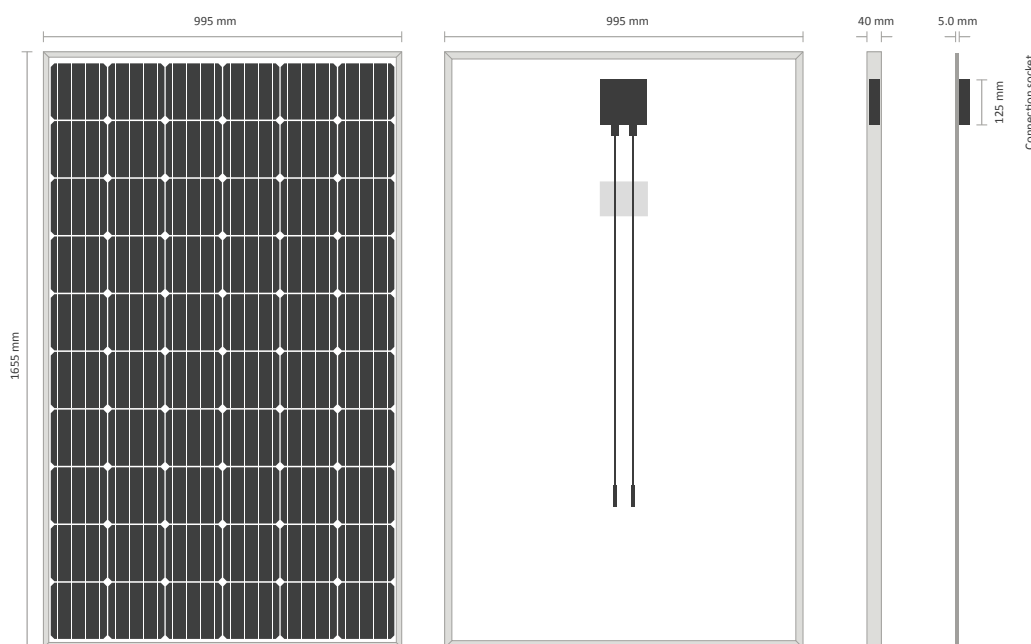
## Electrical behaviour under NOCT\*\*

Rated power NOCT	$P_{NOCT}$ [Wattpeak]	218 Wp	221 Wp
Rated voltage	$U_{MPP}$ [Volt]	29.09 V	29.31 V
Rated current	$I_{MPP}$ [Ampere]	7.47 A	7.53 A
No-load voltage	$U_{OC}$ [Volt]	36.36 V	36.63 V
Short-circuit current	$I_{SC}$ [Ampere]	7.98 A	8.06 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]	$Tk I_{SC} = 0.07 \% / K$

**HIGHPOWER!**  
**305 Wp**



take way  
for an easy way

Sales partner AxSun Solar

  
**100%  
MADE IN  
GERMANY**

AxSun Solar GmbH & Co. KG • 02.2017 • Subject to error and technical modifications

Certified in accordance with IEC 61215 ed.2 and IEC 61730 u. p. • 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/m<sup>2</sup>, (AM) 1.5; 25°C • \*\* Normal Operating Cell Temperature (NOCT): 800 W/m<sup>2</sup>, (AM) 1.5; 47°C