

AX M-60 3.2

premium
HIGHPOWER



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

reliable . powerful . attractive
passionate . honest . empathic

- ▶ 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



- ▶ 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%



www.axsun.de

AX M-60^{3.2}

premium HIGHPOWER

www.axsun.de

Basic data

Dimensions (LxWxH)	1655 x 995 x 40 mm
Weight	18 kg
Cells	60 monocrystalline solar cells (156x156 mm)
Glass	3.2 mm hardened safety glass, optional with anti-reflection coating
Frame	Anodised aluminium section with hollow chamber and drainage holes, black or silver anodised
Bypass diodes	3 pieces (SMD diodes with cooling plate)
Connection socket	Connecting socket plastic, IP67 type of protection, optional with embedded SolarEdge power optimizer
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 (with third mounting rail, please follow installation instructions)	7200 Pascal
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 1648 x 988 x 5 mm, Weight 16.9 kg

Electrical data

under standard test conditions *

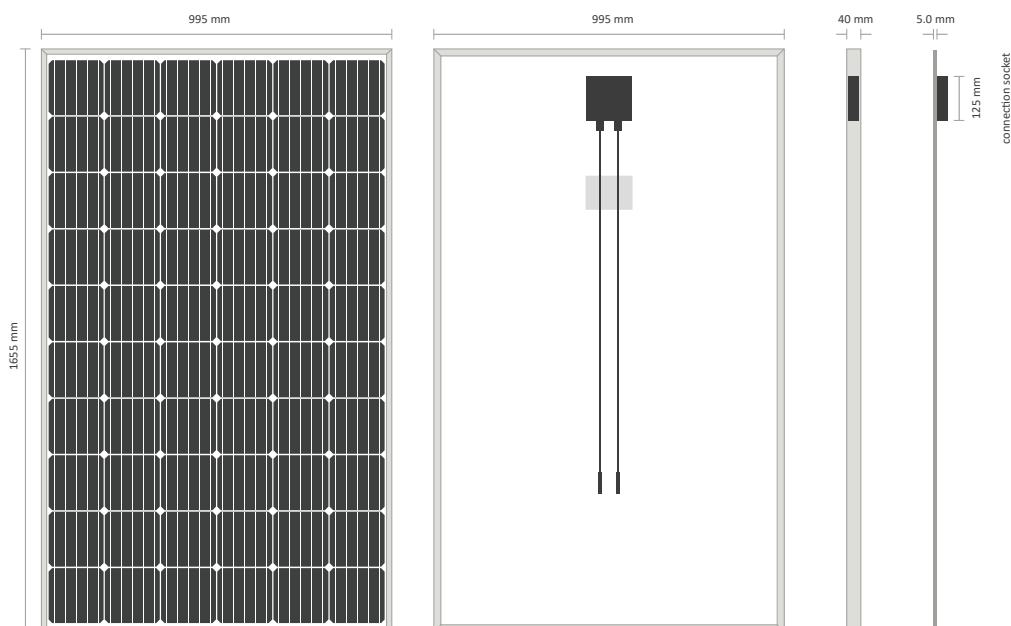
		AX M-60 305	AX M-60 310	AX M-60 315
Rated power	P _{MPP} [Wattpeak]	305 Wp	310 Wp	315 Wp
Rated voltage	U _{MPP} [Volt]	33.12 V	33.33 V	33.69 V
Rated current	I _{MPP} [Ampere]	9.21 A	9.30 A	9.35 A
No-load voltage	U _{OC} [Volt]	40.73 V	41.00 V	41.44 V
Short-circuit current	I _{SC} [Ampere]	9.85 A	9.94 A	10.00 A
Efficiency	η	18.52 %	18.83 %	19.13 %

Electrical behaviour under NOCT**

Rated power NOCT	P _{NOCT} [Wattpeak]	221 Wp	225 Wp	228 Wp
Rated voltage	U _{MPP} [Volt]	29.63 V	29.82 V	30.14 V
Rated current	I _{MPP} [Ampere]	7.45 A	7.52 A	7.57 A
No-load voltage	U _{OC} [Volt]	37.03 V	37.27 V	37.67 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**

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/m², (AM) 1.5; 25°C •

** Normal Operating Cell Temperature (NOCT): 800 W/m², (AM) 1.5; 47°C