

AX M-54 3.2

premium
HIGHPOWER

AXSUN Solar
„German Modules with Character“

*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



premium
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- ▶ 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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Basic data

Dimensions (LxWxH)	1495 x 995 x 40 mm
Weight	16.1kg
Cells	54 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 <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 1488 x 988 x 5 mm, Weight 13.6 kg

Electrical data

under standard test conditions *

		AX M-54 270	AX M-54 275	AX M-54 280
Rated power	P_{MPP} [Wattpeak]	270 Wp	275 Wp	280 Wp
Rated voltage	U_{MPP} [Volt]	29.32 V	29.57 V	29.95 V
Rated current	I_{MPP} [Ampere]	9.21 A	9.30 A	9.35 A
No-load voltage	U_{OC} [Volt]	36.06 V	36.37 V	36.83 V
Short-circuit current	I_{SC} [Ampere]	9.85 A	9.94 A	10.00 A
Efficiency	η	18.15 %	18.49 %	18.82 %

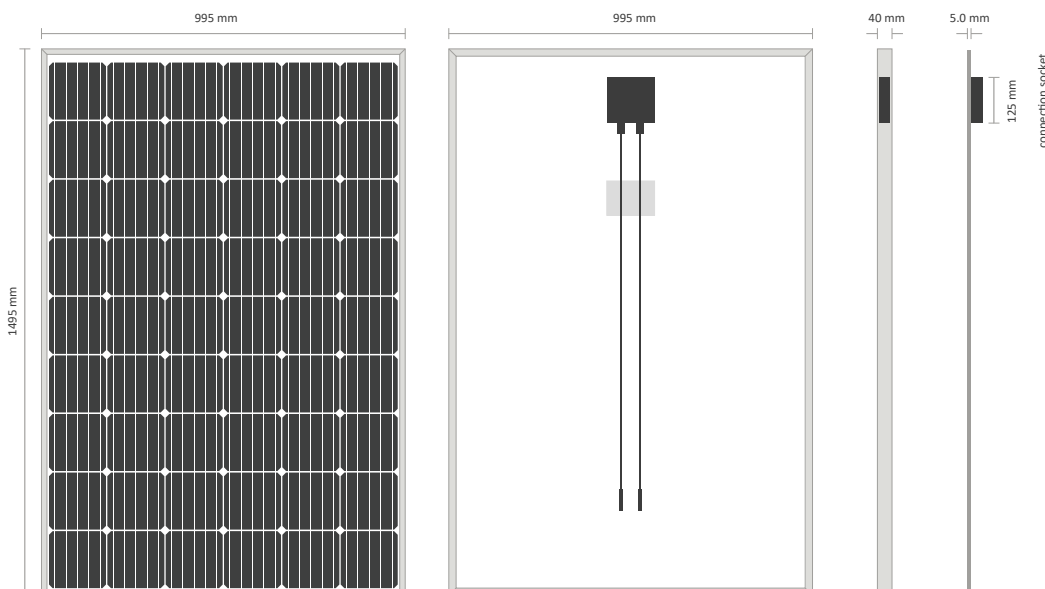
Electrical behaviour

under NOCT**

Rated power NOCT	P_{NOCT} [Wattpeak]	196 Wp	199 Wp	203 Wp
Rated voltage	U_{MPP} [Volt]	26.23 V	26.46 V	26.79 V
Rated current	I_{MPP} [Ampere]	7.45 A	7.52 A	7.57 A
No-load voltage	U_{OC} [Volt]	32.78 V	33.06 V	33.49 V
Short-circuit current	I_{SC} [Ampere]	7.97 A	8.04 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