

# AX M-54<sup>3.2</sup>

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



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- ▶ 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%



[www.axsun.de](http://www.axsun.de)

# AX M-54 3.2

## premium HIGHPOWER

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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
Connection socket	Connecting socket plastic, IP65 type of protection, optional with embedded Solaredge power optimizer
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 (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 1488 x 988 x 5 mm, Weight 13.6 kg

### Electrical data

under standard test conditions \*

		AX M-54 270	AX M-54 275
Rated power	$P_{MPP}$ [Wattpeak]	270 Wp	275 Wp
Rated voltage	$U_{MPP}$ [Volt]	29.32 V	29.57 V
Rated current	$I_{MPP}$ [Ampere]	9.21 A	9.30 A
No-load voltage	$U_{OC}$ [Volt]	36.06 V	36.37 V
Short-circuit current	$I_{SC}$ [Ampere]	9.85 A	9.93 A
Efficiency	$\eta$	18.15%	18.49%

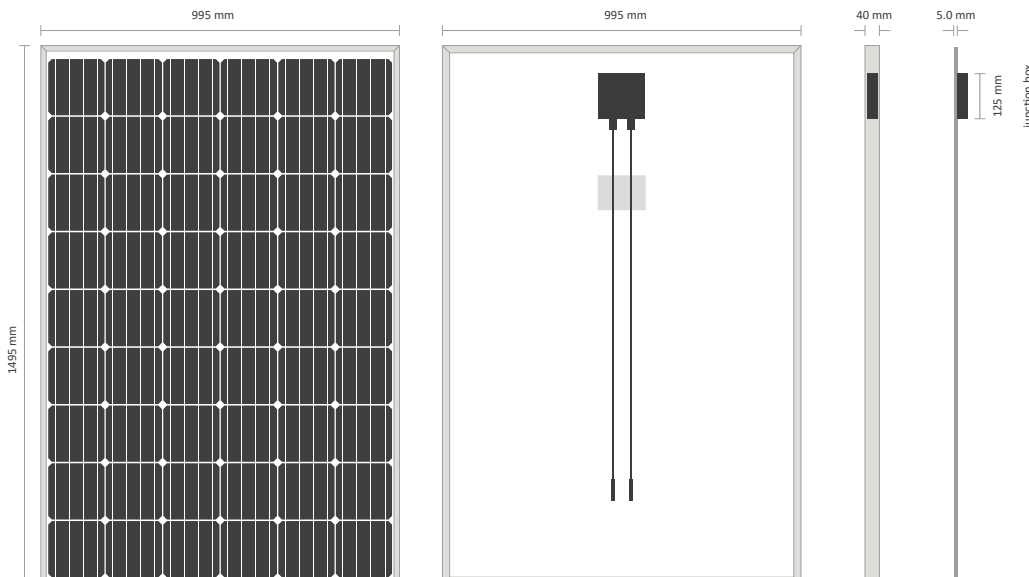
### Electrical behaviour

under NOCT\*\*

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