

AX M-54^{3.2} premium

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 cells*
- ▶ *Plus sorting for extra yield*
- ▶ *PID free*
- ▶ *100% EL tested*
- ▶ *100% Made in Germany*



- ▶ **15 years product guarantee**
on products with tempered safety solar glass
- ▶ **10 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

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Basic data

Dimensions (LxWxH)	1495 x 995 x 40 mm
Weight	16.1kg
Cells	54 monocrystalline solar cells (156x156mm)
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 ² solar cable, 1000 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 (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-54 245	AX M-54 250	AX M-54 255
Rated power	P_{MPP} [Wattpeak]	245 Wp	250 Wp	255 Wp
Rated voltage	U_{MPP} [Volt]	27.56 V	27.85 V	28.14 V
Rated current	I_{MPP} [Ampere]	8.89 A	8.98 A	9.06 A
No-load voltage	U_{OC} [Volt]	33.90 V	34.26 V	34.61 V
Short-circuit current	I_{SC} [Ampere]	9.50 A	9.60 A	9.69 A
Efficiency	η	16.47 %	16.81 %	17.14 %

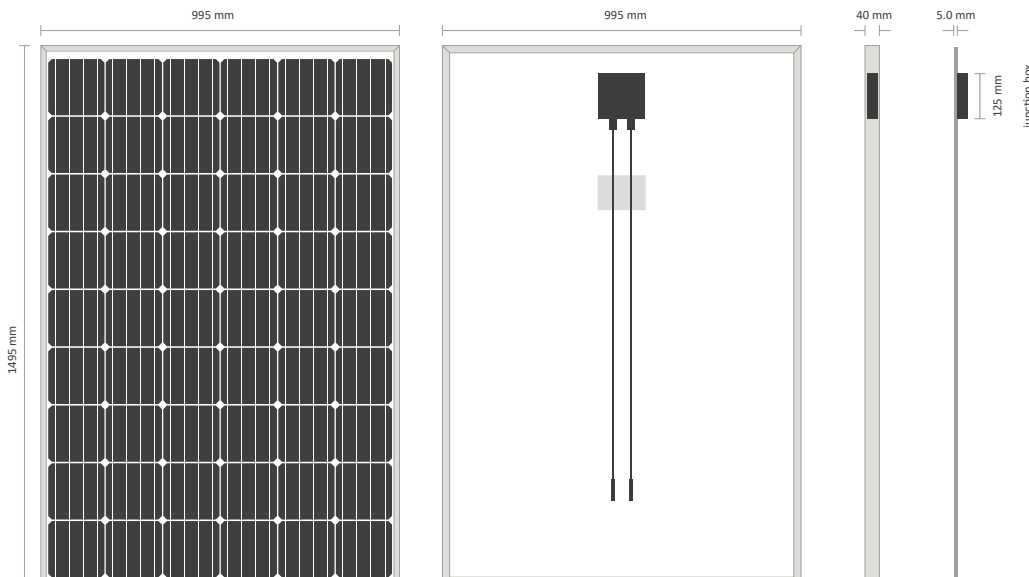
Electrical behaviour

under NOCT**

Rated power NOCT	P_{NOCT} [Wattpeak]	178 Wp	181 Wp	185 Wp
Rated voltage	U_{MPP} [Volt]	24.66 V	24.92 V	25.18 V
Rated current	I_{MPP} [Ampere]	7.19 A	7.26 A	7.33 A
No-load voltage	U_{OC} [Volt]	30.82 V	31.14 V	31.47 V
Short-circuit current	I_{SC} [Ampere]	7.69 A	7.77 A	7.84 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