

AX M-54 3.2 premium black

Awesome look with
AxSun premium black

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

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

reliable . powerful . attractive

MADE IN
GERMANY



100%
EL-CHECK



100%
QS-CHECK



PID
FREE



25



100%
PLUS-
SORTING



100%
MADE IN
GERMANY



max.
7200 Pa



PERC
HIGHPOWER

- ▶ 15 years product guarantee
- ▶ 25 years product guarantee optionally available
- ▶ 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



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 (158x158 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
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 1488 x 988 x 5 mm, Weight 13.6 kg

Electrical data

under standard test conditions *

		AX M-54 285	AX M-54 290	AX M-54 295
Rated power	P_{MPP} [Wattpeak]	285 Wp	290 Wp	295 Wp
Rated voltage	U_{MPP} [Volt]	30.42 V	30.85 V	31.22 V
Rated current	I_{MPP} [Ampere]	9.37 A	9.40 A	9.45 A
No-load voltage	U_{OC} [Volt]	37.41 V	37.95 V	38.40 V
Short-circuit current	I_{SC} [Ampere]	10.02 A	10.05 A	10.10 A
Efficiency	η	19.16 %	19.50 %	19.83 %

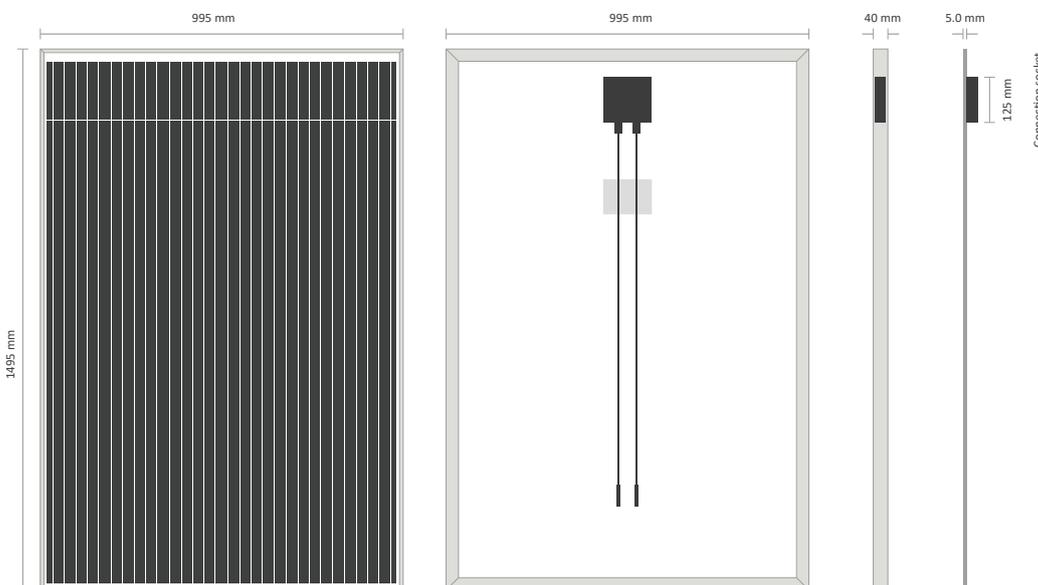
Electrical behaviour

under NOCT**

Rated power NOCT	P_{NOCT} [Wattpeak]	207 Wp	210 Wp	214 Wp
Rated voltage	U_{MPP} [Volt]	27.21 V	27.60 V	27.93 V
Rated current	I_{MPP} [Ampere]	7.58 A	7.61 A	7.65 A
No-load voltage	U_{OC} [Volt]	34.01 V	34.50 V	34.91 V
Short-circuit current	I_{SC} [Ampere]	8.11 A	8.13 A	8.18 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]	$Tk I_{SC} = 0.06 \%/K$



take away
for an easy way



Sales partner AxSun Solar

100%
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GERMANY