

AX P-54 3.2 premium

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

**reliable . powerful . attractive
passionate . honest . empathic**

- ▶ *Front with 3.2 mm tempered safety solar glass*
- ▶ *Optimal use of the sun by high-efficiency polycrystalline 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
- ▶ **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%



AX P-54 3.2 premium

www.axsun.de

Basic data

Dimensions (LxWxH)	1495 x 995 x 40 mm
Weight	16.1kg
Cells	54 polycrystalline 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 ² 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 *

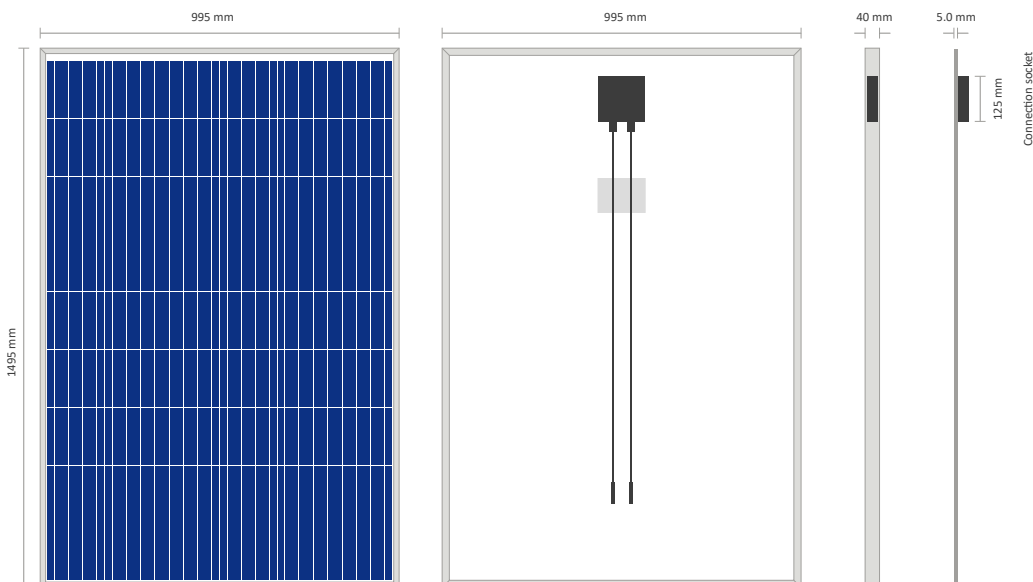
		AX P-54 240	AX P-54 245	AX P-54 250
Rated power	P_{MPP} [Wattpeak]	240 Wp	245 Wp	250 Wp
Rated voltage	U_{MPP} [Volt]	27.78 V	28.16 V	28.51 V
Rated current	I_{MPP} [Ampere]	8.64 A	8.70 A	8.77 A
No-load voltage	U_{OC} [Volt]	34.17 V	34.64 V	35.06 V
Short-circuit current	I_{SC} [Ampere]	9.24 A	9.30 A	9.38 A
Efficiency	η	16.13 %	16.47 %	16.81 %

Electrical behaviour under NOCT**

Rated power NOCT	P_{NOCT} [Wattpeak]	174 Wp	178 Wp	181 Wp
Rated voltage	U_{MPP} [Volt]	24.85 V	25.20 V	25.51 V
Rated current	I_{MPP} [Ampere]	6.99 A	7.04 A	7.10 A
No-load voltage	U_{OC} [Volt]	31.06 V	31.49 V	31.88 V
Short-circuit current	I_{SC} [Ampere]	7.48 A	7.53 A	7.59 A

Temperature coefficient (in case of temperature change)

Power	P_{MPP} [Wattpeak]	$Tk P_{MPP} = -0.406 \% / K$
Voltage	U_{OC} [Volt]	$Tk U_{OC} = -0.308 \% / K$
Current	I_{SC} [Ampere]	$Tk I_{SC} = 0.057 \% / K$



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 • 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