

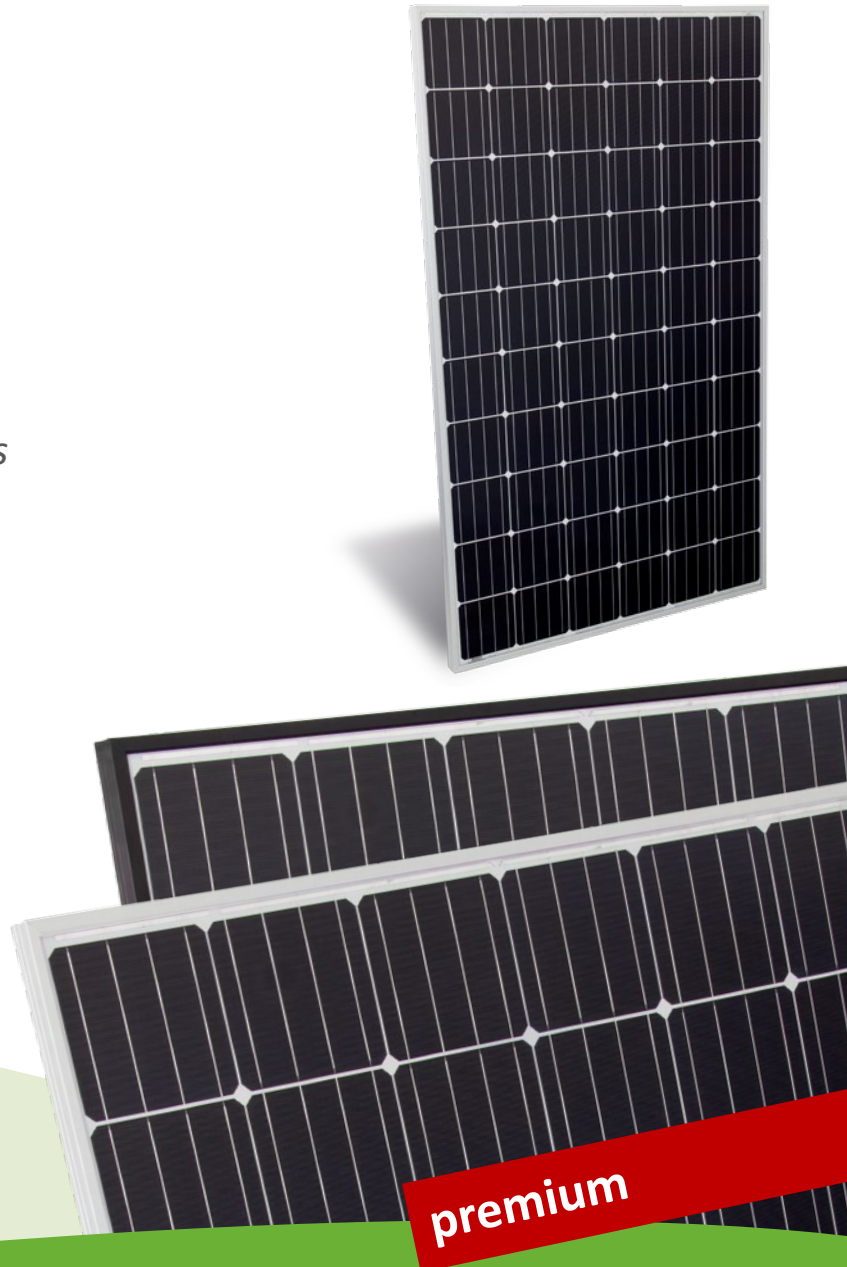
AX M-60 3.2 premium

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
- ▶ 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

AX M-60^{3.2} premium

www.axsun.de

Basic data

| | |
|--|--|
| Dimensions (LxWxH) | 1655 x 995 x 40 mm |
| Weight | 18 kg |
| Cells | 60 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 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 <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 1648 x 988 x 5 mm, Weight 16.9 kg |

Electrical data

under standard test conditions *

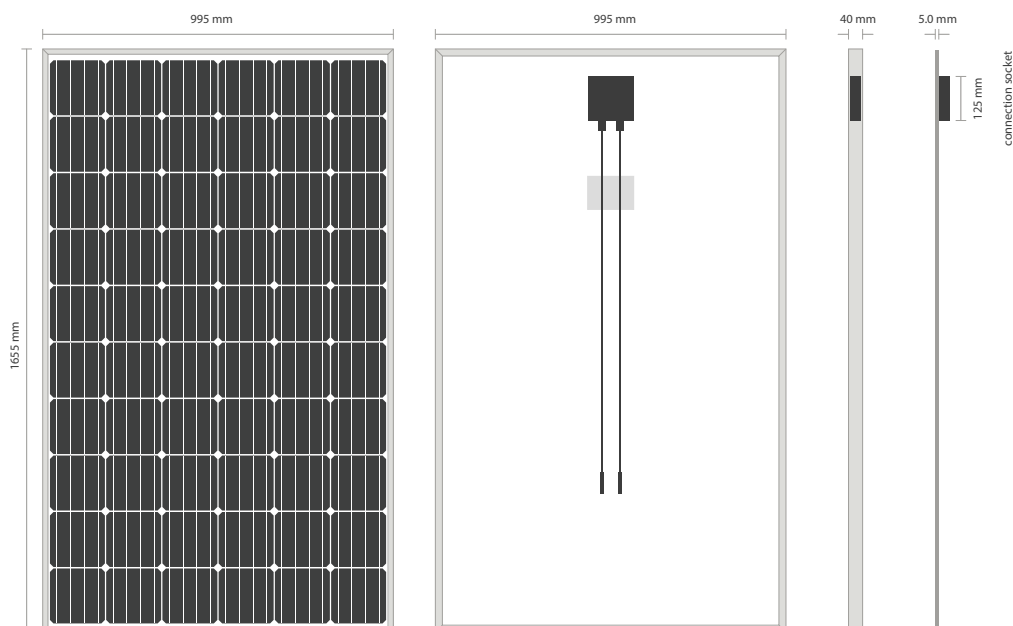
| | | AX M-60 275 | AX M-60 280 | AX M-60 285 |
|-----------------------|----------------------|----------------|----------------|----------------|
| Rated power | P_{MPP} [Wattpeak] | 275 Wp | 280 Wp | 285 Wp |
| Rated voltage | U_{MPP} [Volt] | 31.94 V | 32.18 V | 32.06 V |
| Rated current | I_{MPP} [Ampere] | 8.61 A | 8.70 A | 8.89 A |
| No-load voltage | U_{OC} [Volt] | 39.29 V | 39.59 V | 39.43 V |
| Short-circuit current | I_{SC} [Ampere] | 9.20 A | 9.30 A | 9.50 A |
| Efficiency | η | 16.70 % | 17.00 % | 17.31 % |

Electrical behaviour under NOCT**

| | | | | |
|-----------------------|-----------------------|---------|---------|---------|
| Rated power NOCT | P_{NOCT} [Wattpeak] | 199 Wp | 203 Wp | 207 Wp |
| Rated voltage | U_{MPP} [Volt] | 28.58 V | 28.80 V | 28.68 V |
| Rated current | I_{MPP} [Ampere] | 6.97 A | 7.04 A | 7.19 A |
| No-load voltage | U_{OC} [Volt] | 35.71 V | 35.99 V | 35.85 V |
| Short-circuit current | I_{SC} [Ampere] | 7.45 A | 7.53 A | 7.69 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

AxSun Solar GmbH & Co. KG • 01.2018 • Subject to error and technical modifications