

Solar module

AX P-60^{3.2} premium

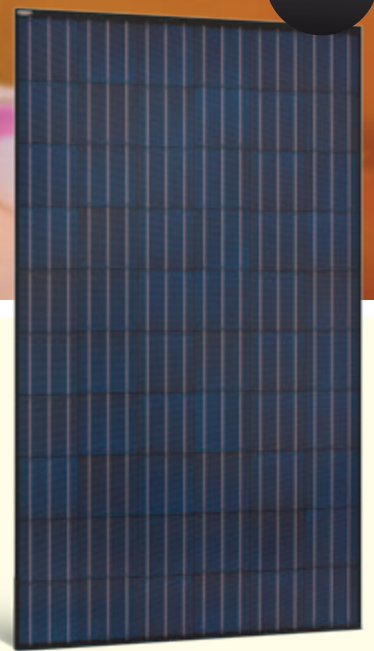
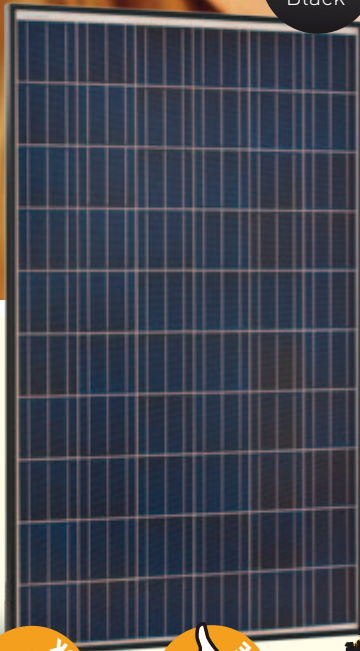
AXSUN Solar
„German Modules with Character“



Alu-
minium-
Black

Alu-
minium-
Silver

Laminate



- **15 year product guarantee***
on premium and deluxe products with tempered safety solar glass
- **10 year 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
- optional with embedded Solaredge power optimizer for up to 25% more energy

* You can call up our detailed guarantee and performance conditions under www.axsun.de.

** Performance guarantee: 97.5% in the 1st year, linearised performance guarantee from the 2nd year onwards with a maximum 0.7% reduction in performance per year. Guaranteed 91.2% of the performance in the 10th year and 80.7% of the performance in the 25th year (related to the specified minimum performance).



Solar module AX P-60^{3.2} premium

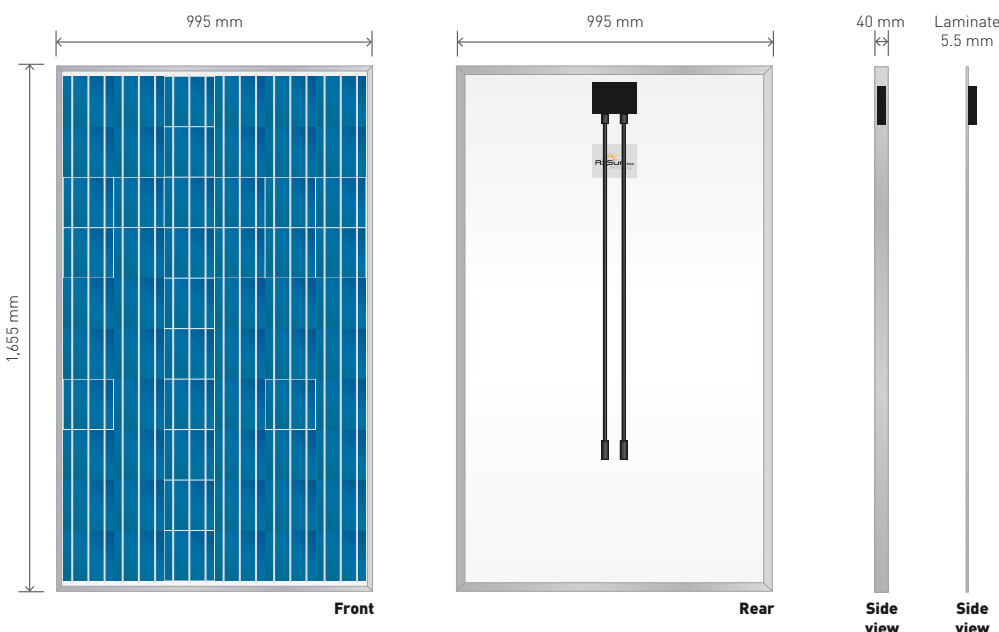
www.axsun.de

| Basic data | Module | Laminate |
|---------------------------------------|---|--|
| Dimensions | Length 1,655 mm Width 995 mm Height 40 mm | Length 1,646 mm Width 986 mm Height 5.5 mm <i>(without connecting socket)</i> |
| Weight | 17.9 kg | 15.4 kg |
| Cells | 60 polycrystalline 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 | |
| Connecting socket | plastic, IP65 type of protection, optional with embedded Solaredge power optimizer | |
| Cable, plug | 4 mm ² solar cable, 1,000 mm long, high-quality plug system, MC4 compatible | |
| Max. Voltage | 1,000 V | |
| Max. return current | 15 A | |
| Temperature range | -40°C to 85°C | |
| Max. pressure load | 5,400 Pascal | * |
| Max. dynamic load | 2,400 Pascal | * |
| Application class (acc. to IEC 61730) | A | |
| Fire class (acc. to IEC 61730) | C | |
| Protection class | II | |

| Electrical data | | AX P-60 255 | AX P-60 260 | AX P-60 265 |
|----------------------------------|----------------------|----------------|----------------|----------------|
| under standard test conditions** | | | | |
| Rated power | P_{MPP} [Wattpeak] | 255 Wp | 260 Wp | 265 Wp |
| Rated voltage | U_{MPP} [Volt] | 30.03 V | 30.20 V | 30.32 V |
| Rated current | I_{MPP} [Ampere] | 8.49 A | 8.61 A | 8.74 A |
| No-load voltage | U_{OC} [Volt] | 36.94 V | 37.14 V | 37.29 V |
| Short-circuit current | I_{SC} [Ampere] | 9.08 A | 9.20 A | 9.34 A |
| Efficiency | η | 15.49 % | 15.79 % | 16.09 % |

| Electrical behaviour | | AX P-60 255 | AX P-60 260 | AX P-60 265 |
|-----------------------|-----------------------|----------------|----------------|----------------|
| under NOCT*** | | | | |
| Rated power NOCT | P_{NOCT} [Wattpeak] | 185 Wp | 189 Wp | 192 Wp |
| Rated voltage | U_{MPP} [Volt] | 26.87 V | 27.02 V | 27.13 V |
| Rated current | I_{MPP} [Ampere] | 6.87 A | 6.97 A | 7.07 A |
| No-load voltage | U_{OC} [Volt] | 33.58 V | 33.77 V | 33.90 V |
| Short-circuit current | I_{SC} [Ampere] | 7.35 A | 7.45 A | 7.56 A |

| Temperature coefficient (in case of temperature change) | | |
|---|-------------------|------------------------------|
| Power | P_{MPP} [Watt] | $Tk P_{MPP} = -0.438 \% / K$ |
| Voltage | U_{OC} [Volt] | $Tk U_{OC} = -0.325 \% / K$ |
| Current | I_{SC} [Ampere] | $Tk I_{SC} = 0.045 \% / K$ |



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