



AC-260P/156-60S
 AC-265P/156-60S
 AC-270P/156-60S
 AC-275P/156-60S
 AC-280P/156-60S

www.axitecsolar.com

AXITEC
 high quality german solar brand

AXIpower

60 cell polycrystalline
 High performance solar module

The advantages:

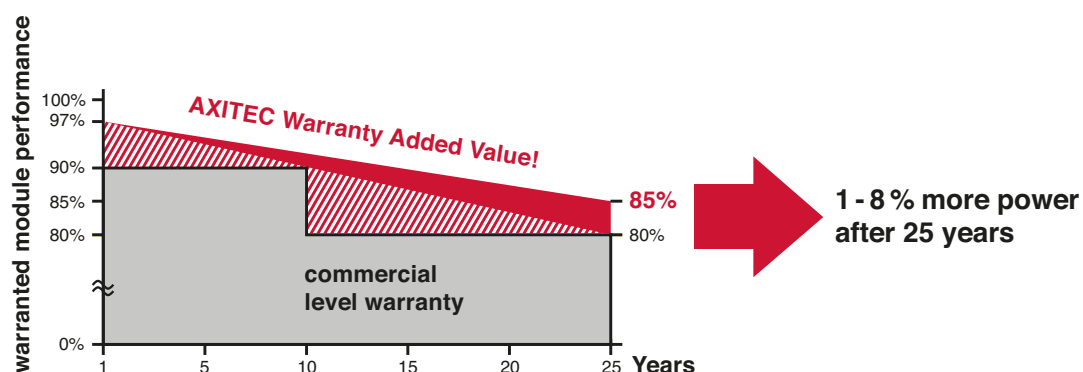
- 15** Years 15 years manufacturer's warranty
- P-Max** Highest performance due to specifically selected technologies and materials
- + Wp** Guaranteed positive power tolerance from 0-5 Wp by individual measurement
- 5.400 Pa** Maximum 5400 Pa snow load
- 100%** 100% electroluminescence inspection
- Soft Grip** High stability due to AXITEC-Soft-Grip-Seam aluminium frame construction
- IP 67** High quality junction box and connector systems



Fig. similar
 60P156EN180321A

Exclusive linear AXITEC high performance guarantee!

- 15 years manufacturer's guarantee on 90 % of the nominal performance
- 25 years manufacturer's guarantee on 85 % of the nominal performance



Distributed by:



Electrical data (at standard conditions (STC) irradiance 1000 watt/m², spectrum AM 1,5 at a cell temperature of 25°C)

| Type | Nominal output P _{mpp} | Nominal voltage U _{mpp} | Nominal current I _{mpp} | Short circuit current I _{sc} | Open circuit voltage U _{oc} | Module conversion efficiency |
|-----------------|------------------------------------|-------------------------------------|-------------------------------------|--|---|---------------------------------|
| AC-260P/156-60S | 260 Wp | 30,92 V | 8,43 A | 9,01 A | 38,00 V | 15,98 % |
| AC-265P/156-60S | 265 Wp | 30,98 V | 8,60 A | 9,20 A | 38,16 V | 16,29 % |
| AC-270P/156-60S | 270 Wp | 31,12 V | 8,71 A | 9,25 A | 38,21 V | 16,60 % |
| AC-275P/156-60S | 275 Wp | 31,25 V | 8,83 A | 9,32 A | 38,29 V | 16,90 % |
| AC-280P/156-60S | 280 Wp | 31,48 V | 8,90 A | 9,37 A | 38,61 V | 17,21 % |

Design

| | |
|-----------|---|
| Frontside | 3,2 mm hardened, low-reflection white glass |
| Cells | 60 polycrystalline high efficiency cells 156 mm x 156 mm (6") |
| Backside | Composite film |
| Frame | 35 mm silver anodized aluminium frame |

Mechanical data

| | |
|-----------|--------------------|
| L x W x H | 1640 x 992 x 35 mm |
| Weight | 18,0 kg with frame |

Power connection

| | |
|----------------|---|
| Socket | Protection Class IP67 (3 bypass diodes) |
| Wire | approx. 1,1 m, 4 mm ² |
| Plug-in system | Plug/socket IP67 |

Limit values

| | |
|--|------------------------------|
| System voltage | 1000 VDC |
| NOCT (nominal operating cell temperature)* | 45°C +/-2K |
| Max. load-carrying capacity | 5400 N/m ² |
| Reverse current feed IR | 16,0 A |
| Permissible operating temperature | -40°C to 85°C / -40F to 185F |

(No external voltages greater than U_{oc} may be applied to the module)

* NOCT, irradiance 800 W/m²; AM 1,5; wind speed 1 m/s; Temperature 20°C

Temperature coefficients

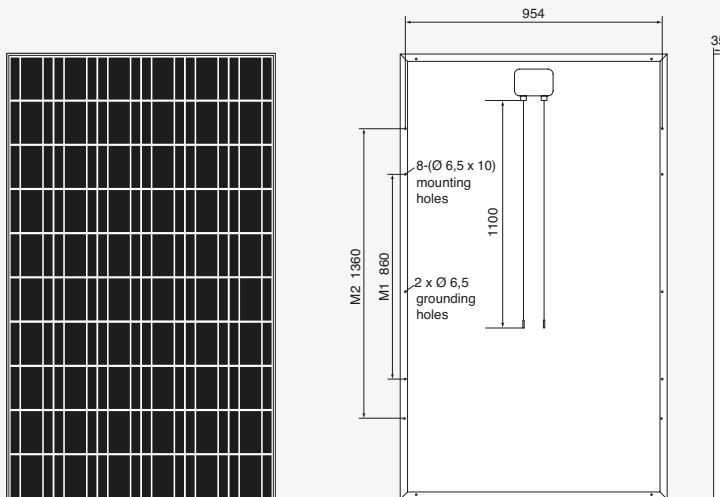
| | |
|-------------------------|-----------|
| Voltage U _{oc} | -0,30 %/K |
| Current I _{sc} | 0,04 %/K |
| Output P _{mpp} | -0,42 %/K |

Low-light performance (Example for AC-260P/156-60S)

| I-U characteristic curve | Current I _{pp} | Voltage U _{pp} |
|--------------------------|-------------------------|-------------------------|
| 200 W/m ² | 1,70 A | 30,10 V |
| 400 W/m ² | 3,42 A | 30,15 V |
| 600 W/m ² | 5,41 A | 30,52 V |
| 800 W/m ² | 6,82 A | 30,86 V |
| 1000 W/m ² | 8,43 A | 30,92 V |

Packaging

| | |
|--------------------------------|-----|
| Module pieces per pallet | 30 |
| Module pieces per HC-container | 840 |



All dimensions in mm