

AC-260M/156-60S
AC-265M/156-60S
AC-270M/156-60S

www.axitecsolar.com

AXITEC
high quality german solar brand

AXIworldblackpremium

60 cell/monocrystalline photovoltaic modules
High performance photovoltaic modules

The advantages:

12
Years

12 years manufacturer's warranty



Highest performance due to specifically selected technologies and materials



Guaranteed positive power tolerance from 0-5 Wp by individual measurement



Maximum 5400 Pa snow load



100% electroluminescence inspection



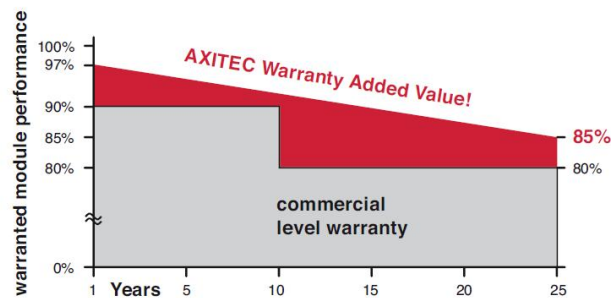
High quality junction box and connector systems

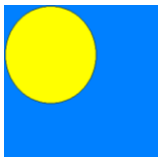


Fig. similar 60M156EN150801A-56/1

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





AXIworld- blackpremium

AC-260M/156-60S
 AC-265M/156-60S
 AC-270M/156-60S

www.axitecsolar.com

AXITEC
 high quality german solar brand

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 _{mp} | Nominal voltage U _{mp} | Nominal current I _{mp} | Short circuit current I _{sc} | Open circuit voltage U _{oc} | Module conversion efficiency |
|-----------------|-----------------------------------|------------------------------------|------------------------------------|--|---|---------------------------------|
| AC-260M/156-60S | 260 Wp | 30,42 V | 8,60 A | 9,06 A | 38,30 V | 15,98 % |
| AC-265M/156-60S | 265 Wp | 30,85 V | 8,65 A | 9,20 A | 38,42 V | 16,29 % |
| AC-270M/156-60S | 270 Wp | 30,94 V | 8,80 A | 9,41 A | 39,26 V | 16,60 % |

Design

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

Mecanical data

| | |
|-----------|--------------------|
| L x W x H | 1640 x 992 x 35 mm |
| Weight | 18,2 kg with frame |

Power connection

| | |
|----------------|---|
| Socket | Protection Class IP65 (3 bypass diodes) |
| Wire | approx. 1,0 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 | 15,0 A |
| Permissible operating temperature | -40C to 85C / -40F to 185F |

(No external voltages greater than V_o may be applied to the module)

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

Temperature coefficients

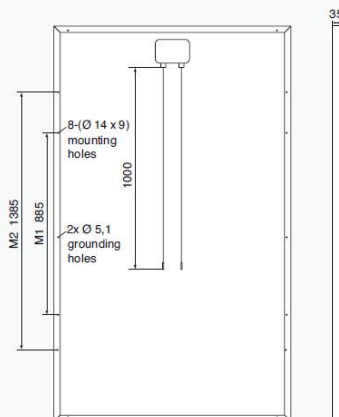
| | |
|-------------------------|-----------|
| Voltage U _{oc} | -0,30 %/K |
| Current I _{sc} | -0,04 %/K |
| Output P _{mp} | -0,40 %/K |

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

| I-U characteristic curve | Current I _{pp} | Voltage U _{pp} |
|--------------------------|-------------------------|-------------------------|
| 200 W/m ² | 1,71 A | 30,00 V |
| 400 W/m ² | 3,41 A | 30,10 V |
| 600 W/m ² | 5,18 A | 30,18 V |
| 800 W/m ² | 6,89 A | 30,36 V |
| 1000 W/m ² | 8,60 A | 30,42 V |

Packaging

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



All dimensions in mm