



AC-260P/156-60SE
 AC-265P/156-60SE
 AC-270P/156-60SE

www.axitecsolar.com

AXITEC
 high quality german solar brand

AXIworldplus SE

60 cell polycrystalline
 High performance photovoltaic module
 optimised by SolarEdge

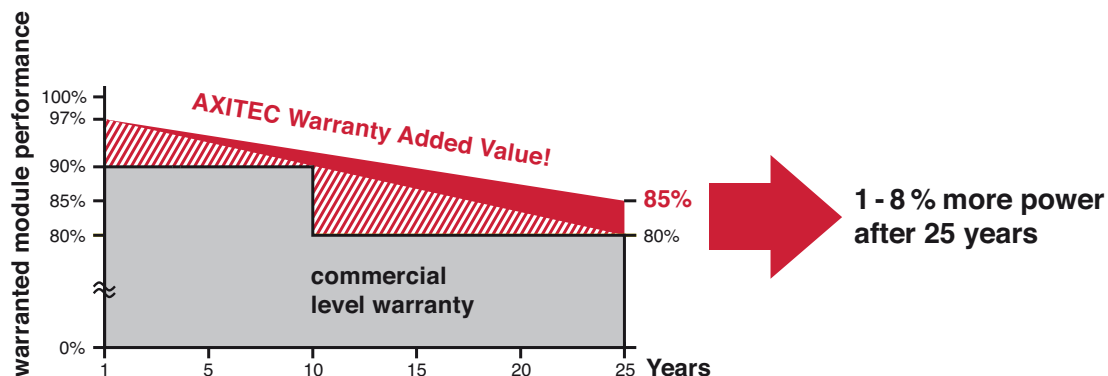
The advantages:

- 12** Years 12 years manufacturer's warranty
- +[↑]** Wp Guaranteed positive power tolerance from 0-5 Wp by individual measurement
- ↓** 5.400 Pa Maximum 5400 Pa snow load
- ↓** \$ BOS Lower BOS costs thanks to 30% longer strings
- ↗** MPP Optimised energy output by maximised power by each module
- +** SAFETY High security by deactivation of module power



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



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/156-60SE	260 Wp	30,92 V	8,43 A	9,01 A	38,00 V	15,90 %
AC-265P/156-60SE	265 Wp	30,98 V	8,60 A	9,20 A	38,16 V	16,21 %
AC-270P/156-60SE	270 Wp	31,12 V	8,71 A	9,25 A	38,21 V	16,51 %

String Lengths (computed automatically by SolarEdge Site Designer)

Module Power		260	265	270
MINIMUM String size with SolarEdge Inverter	1ph		8	
	3ph		16	
MAXIMUM String size with SolarEdge Inverter	1ph	20	19	19
	3ph	43	42	41
String size with Non-SolarEdge Inverter		According to Inverter design rules		

Output Voltages and Currents

Operating Output Voltages when connected to SolarEdge Inverter	5 - 60 Vdc
Operating Output Voltages when connected to Non-SolarEdge Inverter	5-Voc of module Vdc
Maximum Output Current when connected to SolarEdge Inverter	15 Adc
Maximum Output Current when connected to Non-SolarEdge Inverter	10 Adc
Output in Standby mode with SolarEdge Inverter or with SMI and Non-SolarEdge Inverter (when disconnected from Inverter or Inverter off)	1 Vdc

Junction Box Standard Compliance

Fire Safety	VDE-AR-E 2100-712:2013-05
PV Junction Box Safety	IEC62109-1 (class II safety, TUV-SUD), UL1741 (TUV-Rheinland & CSA)
PV Junction Box	EN50548 (TUV-SUD), UL3730 (TUV-Rheinland & CSA)

Design

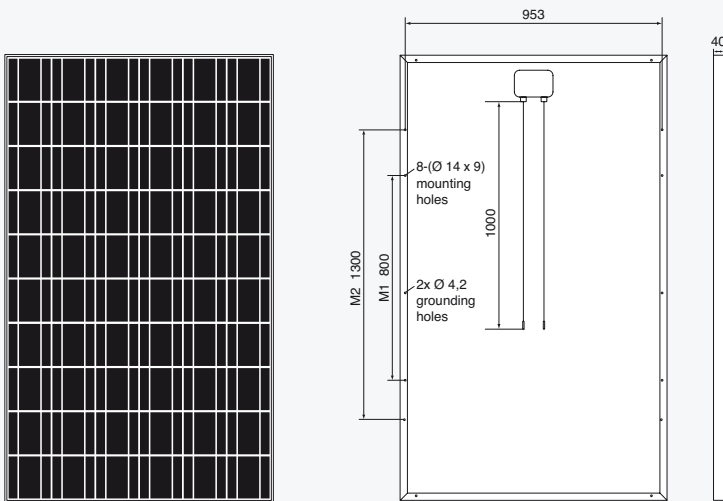
Frontside	3,2 mm hardened, low-reflection white glass
Cells	60 polycrystalline high efficiency cells 156 mm x 156 mm (6")
Backside	Composite film
Frame	40 mm silver anodized aluminium frame

Mechanical data

L x W x H	1650 x 991 x 40 mm
Weight	19,5 kg with frame

Power connection

Socket	Protection Class IP67 (3 bypass diodes)
Wire	approx. 1,0 m, 6 mm ²
Plug-in system	Plug/socket IP67



All dimensions in mm

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	-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}	-0,33 %/K
Current I _{sc}	0,05 %/K
Output P _{mpp}	-0,42 %/K

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

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	26
Module pieces per HC-container	728