



AC-250P/156-60S  
AC-255P/156-60S  
AC-260P/156-60S

## AXIplus SE

60 cell/ polycrystalline photovoltaic modules  
High performance photovoltaic modules  
optimised by SolarEdge

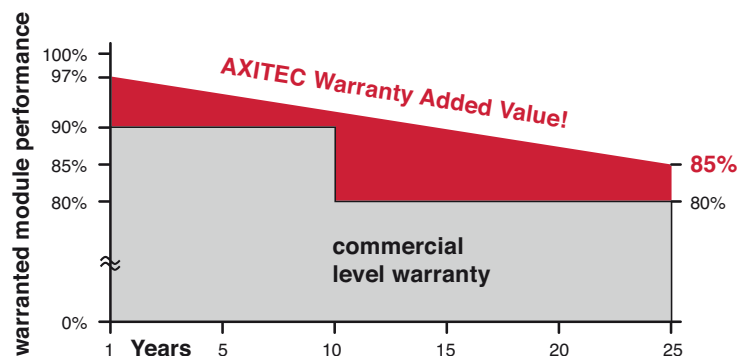
### The advantages:

- 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
- Soft Grip** High stability due to AXITEC-Soft-Grip-Seam aluminium frame construction
- ↓\$** 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/m<sup>2</sup>, spectrum AM 1.5 at a cell temperature of 25° C)

Type	Nominal output P <sub>mpp</sub>	Nominal voltage U <sub>mpp</sub>	Nominal current I <sub>mpp</sub>	Short circuit current I <sub>sc</sub>	Open circuit voltage U <sub>oc</sub>	Module conversion efficiency
AC-250P/156-60S	250 Wp	30,70 V	8,18 A	8,71 A	37,80 V	15,37 %
AC-255P/156-60S	255 Wp	30,80 V	8,30 A	8,84 A	37,92 V	15,67 %
AC-260P/156-60S	260 Wp	30,92 V	8,43 A	9,01 A	38,00 V	15,98 %

**String Lengths (computed automatically by SolarEdge Site Designer)**

Module Power		250	255	260
MINIMUM String size with SolarEdge Inverter	1ph		8	
	3ph		16	
MAXIMUM String size with SolarEdge Inverter	1ph	21	20	20
	3ph	45	44	43
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 <i>or with SMI and Non-SolarEdge Inverter</i> (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

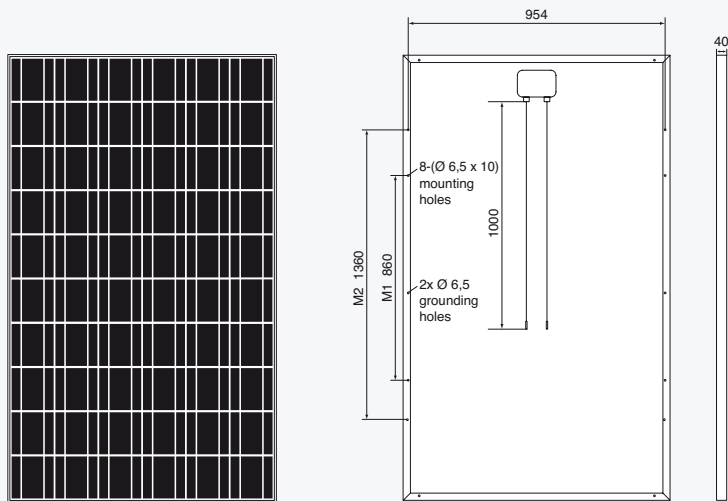
Frontside	3,2 mm hardened, low-reflection white glass
Cells	60 polycrystalline high efficiency cells 156 mm x 156 mm (6")
Backside	Composite film
Frame	40 mm silver anodized aluminium frame

## Mechanical data

L x W x H	1640 x 992 x 40 mm
Weight	18,5 kg with frame

## Power connection

Socket	Protection Class IP65 (3 bypass diodes)
Wire	approx. 1,0 m, 6 mm <sup>2</sup>
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 <sup>2</sup>
Reverse current feed IR	16,0 A
Permissible operating temperature	-40C to 85C / -40F to 185F

(No external voltages greater than U<sub>oc</sub> may be applied to the module)

\* NOCT, irradiance 800 W/m<sup>2</sup>; AM 1,5;  
wind speed 1 m/s; Temperature 20°C

## Temperature coefficients

Voltage U <sub>oc</sub>	-0,30 %/K
Current I <sub>sc</sub>	0,04 %/K
Output P <sub>mpp</sub>	-0,42 %/K

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

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

## Packaging

Module pieces per pallet	25
Module pieces per HC-container	700