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

www.axitecsolar.us

AXITEC®
high quality german solar brand

AXIplus BLK SE

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

German engineered – made for America

12 Years — 12 years manufacturer's warranty
Two more years than industry standard

Wp — Positive power tolerance from 0-5 Wp
Higher guaranteed yield

113 PSF — Snow load of up to 113 psf
Stable module for a long life in extreme condition

BOS — Lower BOS costs thanks to 60% longer strings

MPP — Optimised energy output by maximised power by each module

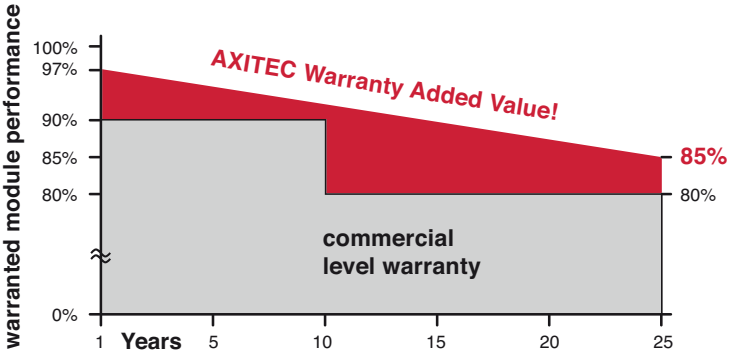
SAFETY — High security by deactivation of module power

Optimized by solaredge

Fig. similar 60P156USA160530A

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
- Warrants around 6 % more than the market standard



Intertek
Module Fire Performance:
TYPE 1 (UL 1703)
CLASS C (IEC61730)

AXITEC, LLC, 75 Twinbridge Drive, Suite E, Pennsauken, NJ 08110, Phone 856-813-9386, info@axitecsolar.com

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Electrical data (at standard conditions (STC) irradiance 1000 watt/m², spectrum AM 1.5 at a cell temperature of 25°C)

Type	Nominal output Pmpp	Nominal voltage Umpp	Nominal current Impp	Short circuit current Isc	Open circuit voltage Uoc	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 %

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

Output Voltages and Currents	
Operating Output Voltages when connected to SolarEdge Inverter	5 - 60 Vdc
Maximum Output Current when connected to SolarEdge Inverter	15 Adc
Output in Standby mode with 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

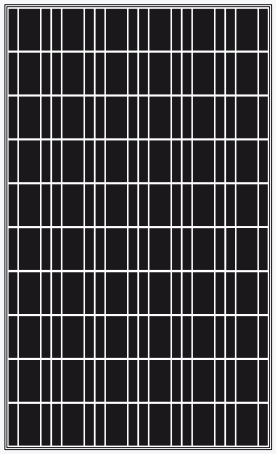
Frontside	0.13 inch (3.2 mm) hardened, low-reflection white glass
Cells	60 polycrystalline high efficiency cells 6 inch (156 x 156 mm)
Backside	Composite film
Frame	1.57 inch (40 mm) black anodized aluminium frame

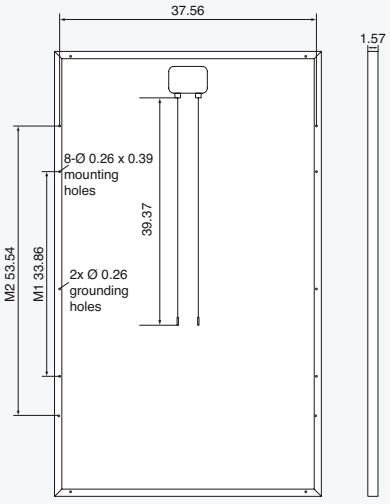
Mechanical data

L x W x H	64.57 x 39.06 x 1.57 inch (1640 x 992 x 40 mm)
Weight	42.99 lbs (19.5 kg) with frame

Power connection

Socket	Protection Class IP65 (3 bypass diodes)
Wire	39.37 inch, AWG 10
Plug-in system	Plug/socket IP67





All dimensions in inch

Limit values

System voltage	1000 VDC (UL) 1000 VDC (IEC)
NOCT (nominal operating cell temperature)*	45°C +/-2K
Max. load-carrying capacity	113 PSF
Reverse current feed IR	15.0 A

Permissible operating temperature: -40C to 85C / -40F to 185F
(No external voltages greater than Vo
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 Uoc	-0.30 %/K
Current Isc	0.04 %/K
Output Pmpp	-0.42 %/K

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

I-U characteristic curve	Current Ipp	Voltage Upp
200 W/m²	1.70 A	30.10 V
400 W/m²	3.42 A	30.15 V
600 W/m²	5.41 A	30.52 V
800 W/m²	6.82 A	30.86 V
1000 W/m²	8.43 A	30.92 V

Packaging

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