



310 - 330 Wp

AXIpower

72 cell polycrystalline
High performance solar module

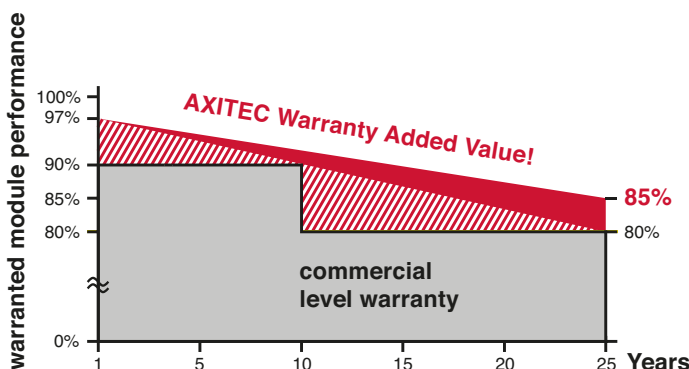
The advantages:

- 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
- 2.400 Pa** Maximum 2400 Pa snow load
- 100%** 100% electroluminescence inspection
- IP 67** High quality junction box and connector systems



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



1 - 8% more power
after 25 years

AXIpower 310 - 330 Wp

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-310P/72S | 310 Wp | 37,16 V | 8,36 A | 8,82 A | 45,58 V | 15,98 % |
| AC-315P/72S | 315 Wp | 37,28 V | 8,45 A | 8,91 A | 45,60 V | 16,23 % |
| AC-320P/72S | 320 Wp | 37,56 V | 8,52 A | 9,03 A | 45,82 V | 16,49 % |
| AC-325P/72S | 325 Wp | 37,66 V | 8,63 A | 9,15 A | 45,92 V | 16,75 % |
| AC-330P/72S | 330 Wp | 37,82 V | 8,73 A | 9,28 A | 46,97 V | 17,01 % |

Design

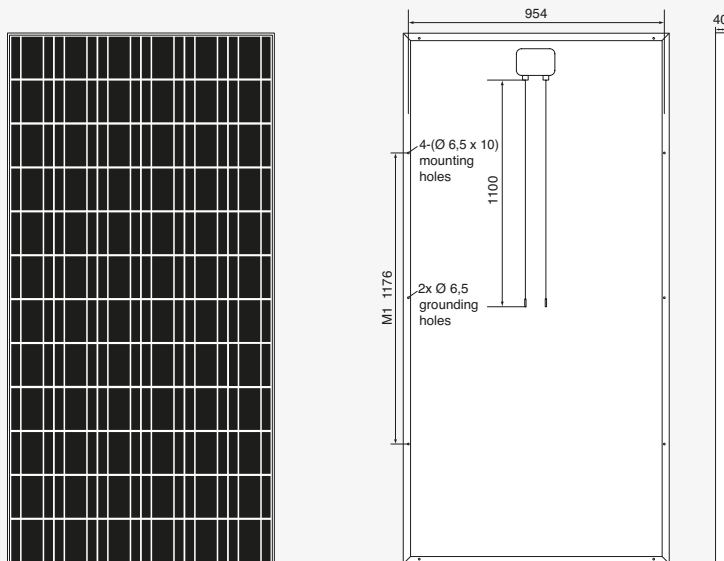
| | |
|-----------|---|
| Frontside | 3,2 mm hardened, low-reflection white glass |
| Cells | 72 polycrystalline high efficiency cells 156 mm x 156 mm (6") |
| Backside | Composite film |
| Frame | 40 mm silver anodized aluminium frame |

Mechanical data

| | |
|-----------|--------------------|
| L x W x H | 1956 x 992 x 40 mm |
| Weight | 23 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 |



All dimensions in mm

Limit values

| | |
|--|------------------------------|
| System voltage | 1000 VDC |
| NOCT (nominal operating cell temperature)* | 45°C +/-2K |
| Max. load-carrying capacity | 2400 N/m ² |
| Reverse current feed IR | 20,0 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} | -0,40 %/K |

Low-light performance (Example for AC-320P/72S)

| I-U characteristic curve | Current I _{pp} | Voltage U _{pp} |
|--------------------------|-------------------------|-------------------------|
| 200 W/m ² | 1,80 A | 35,97 V |
| 400 W/m ² | 3,07 A | 35,99 V |
| 600 W/m ² | 5,51 A | 36,91 V |
| 800 W/m ² | 6,95 A | 37,32 V |
| 1000 W/m ² | 8,52 A | 37,56 V |

Packaging

| | |
|--------------------------------|-----|
| Module pieces per pallet | 25 |
| Module pieces per HC-container | 600 |