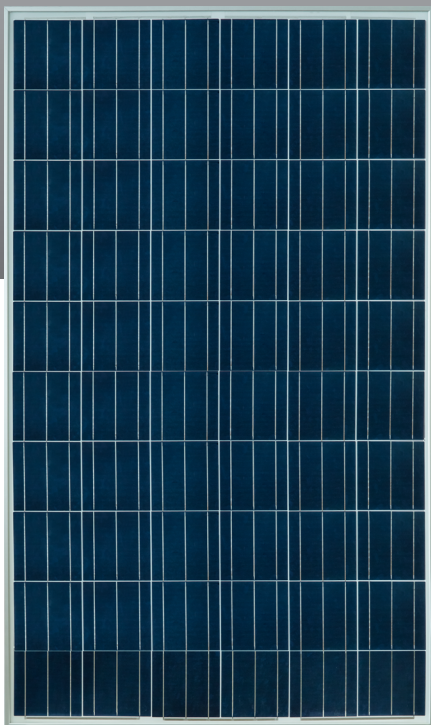




MADE IN EUROPE

12 YEARS QUALITY WARRANTY



AFP-60-275



PID FREE

For Consistent Performance



El Tested

0% defects



+ < 5W

Positive Power Tolerance



Excellent Performance under low light



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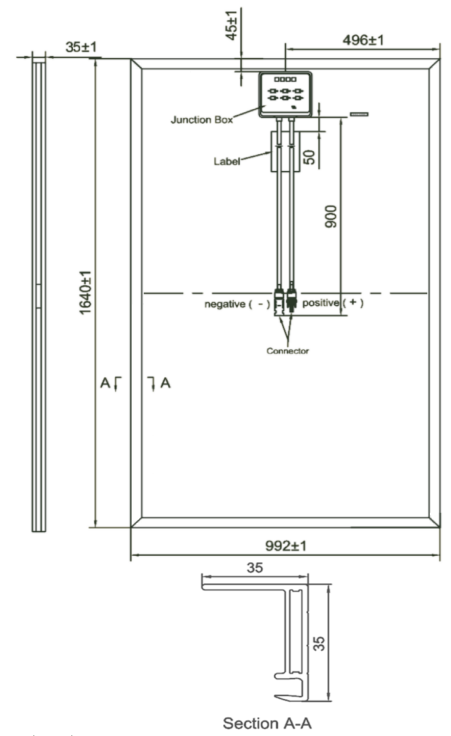
www.altius-solar.com

AFP - 60 - 275W

ELECTRICAL Characteristics	Unit	AFP-275
Rated power at STC (P_{mp})	W	280
Power Tolerance	W	0 - 5W
Power Maximum at STC	W	279.99
Cell Efficiency (η_c)	%	18.5-18.7
Module Efficiency (η_m)	%	16.5-16.7
Open Circuit Voltage (V_{oc})	V	38.3
Short Circuit Current (I_{sc})	A	9.30
Maximum Power Voltage (V_{mp})	V	32.2
Maximum Power Current (I_{mp})	A	8.61
Maximum System Voltage	V	1000(TUV), 600(UL)
Maximum Series Fuse Rating	A	15

STC: Irradiance 1000W/m2, module temperature 25°C, AM=1.5;

Power measurement tolerance: +/-3%



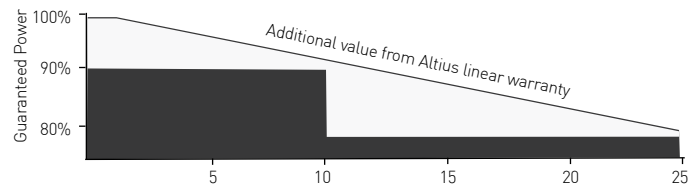
*All Dimensions in mm

*The above drawing is a graphical representation of the product. For engineering quality drawings please contact Altius

Temperature Characteristics	
P_{max} Temperature Coefficient	-0.42% / °C
V_{oc} Temperature Coefficient	-0.33% / °C
I_{sc} Temperature Coefficient	+0.04% / °C
Operating Temperature	-40~+85°C
Nominal Operating Cell Temperature (NOCT)	45 ± 2°C

Performance Warranty

1 Year Output 97.5% 2-24 YEAR decrease < 0.7% 25 Years Output 80.7%



Container	20 ft	40 ft
Pieces per pallet	26	26
Pallets per container	12	28
Pieces per container	312	728

Mechanical Specifications

External Dimensions	1640 x 992 x 35mm
Weight	19.0kg
Solar Cells	Polycrystalline 156x156mm (60pcs)
Front glass	3.2mm tempered glass, low iron
Frame	Anodized/Electrophoretic aluminium alloy
Junction Box	IP67
Output Cables	4.0mm ² , symmetrical lengths 900mm
Connector	MC4
Maximum Snow Load	5400 Pa
Maximum Wind Load	2400 Pa

Current-Voltage & Power-Voltage Curve

