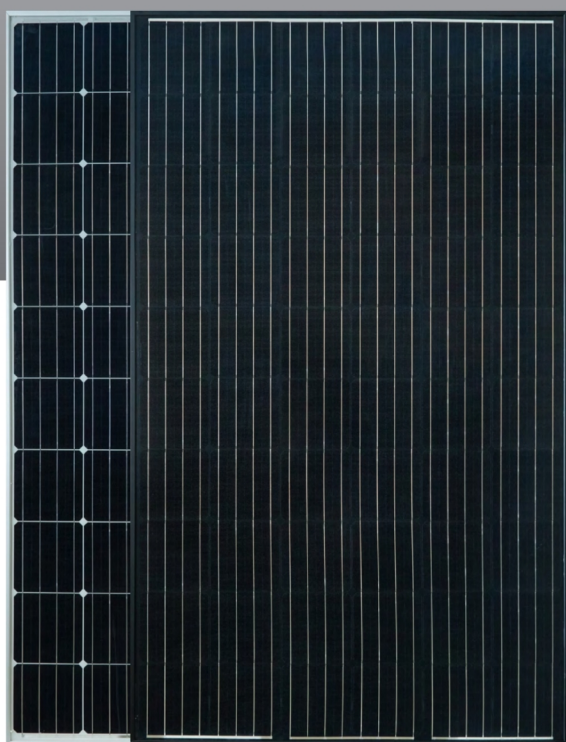


MADE IN EUROPE

12 YEARS QUALITY WARRANTY



AFM-72-310
300W-340 W



PID FREE

For Consistent Performance



El Tested

0% defects



+ < 5W

Positive Power Tolerance



Excellent Performance under low light



Sky Tower 246C Calea Floreasca 014476 - Bucharest Romania



+40 314 137 444



office@altius-solar.com



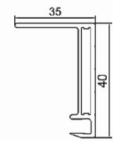
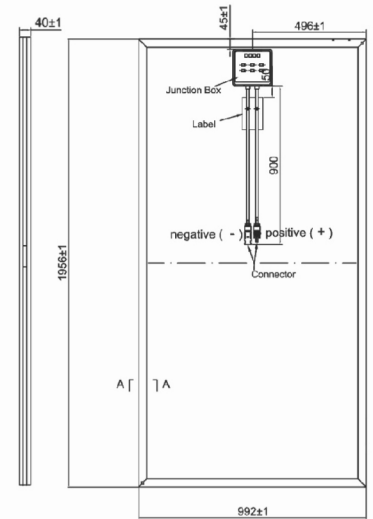
www.altius-solar.com

AFM - 72 - 310 SERIES / 300W -340W

ELECTRICAL Characteristics	Unit	AFM-300	AFM-310	AFM-320	AFM-330	AFM-340
Rated power at STC (P_{mp})	W	300	310	320	330	340
Power Tolerance	W	0 ~ 5W	0 ~ 5W	0 ~ 5W	0 ~ 5W	0 ~ 5W
Power Maximum at STC	W	304.99	314.99	324.99	334.99	344.99
Cell Efficiency (η_c)	%	18.15	18.45	18.75	19.1	19.45
Module Efficiency (η_m)	%	15.6	15.8	16.1	16.45	16.75
Open Circuit Voltage (V_{oc})	V	45.1	45.6	46.1	46.4	46.6
Short Circuit Current (I_{sc})	A	8.80	8.91	9.01	9.04	9.31
Maximum Power Voltage (V_{mp})	V	36.4	37.5	38.4	39.1	38.8
Maximum Power Current (I_{mp})	A	8.24	8.28	8.34	8.46	8.81
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%



Section A-A

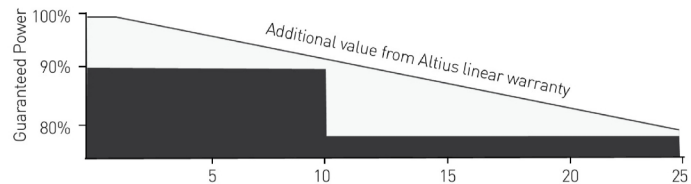
*All Dimensions in mm

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

Temperature Characteristics	
P_{max} Temperature Coefficient	-0.43% / °C
V_{oc} Temperature Coefficient	-0.32% / °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%

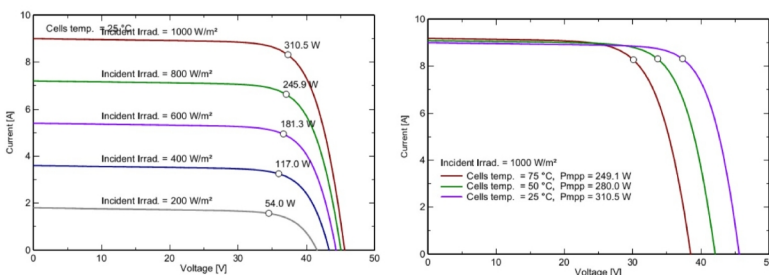


Container	20 ft	40 ft
Pieces per pallet	26	26
Pallets per container	12	28
Pieces per container	313	728

Mechanical Specifications

External Dimensions	1956 x 992 x 40mm
Weight	24.0kg
Solar Cells	Monocrystalline 156x156mm (72pcs)
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



TEST - CERTIFICATION PHOTOVOLTAÏQUE