

AIONRISE

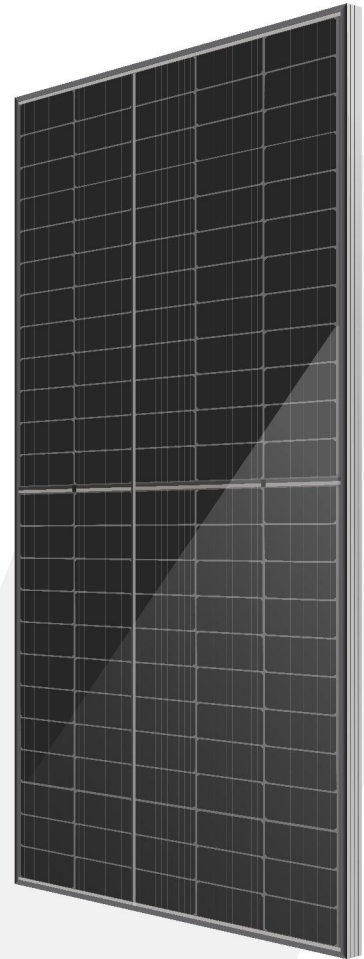
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PHOTOVOLTAIC MODULE SILVER FRAME PERC

AION120TC/M12 Series 385-405 Wp

AIONRISE high-efficiency AION120TC/M12 PV Modules use multi-busbar and half-cut cell technologies generating long-term higher output comparing to other analogs and provide lower levelized cost of energy making better return on investments.

AION120TC/M12 PV Modules are certified by all key quality standards of IEC 62716 / 61215 / 61730, IEC60068-2-68 and with Regular Production Surveillance and Extensive participation in the testing programs of the global independent certification authorities insuring the high reliability, safety, and quality.



POSITIVE POWER
TOLERANCE



HOT SPOTS
REDUCTION



MINIMIZING THE
SHADING IMPACT



LESS MISMATCH
MORE OUTPUT



PID
RESISTANT



SALT CORROSION
RESISTANT



SAND
RESISTANT



AMMONIA
RESISTANT



LARGE SCALE
GROUND INSTALLATION

25
YEARS

PERFORMANCE
GUARANTEE

15
YEARS

PRODUCT
WARRANTY

GUARANTEED MODULE PERFORMANCE



MODULE TYPE

ELECTRICAL CHARACTERISTICS	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Max. power (Pmax / Wp)	385	291	390	295	395	298	400	302	405	306
Open circuit voltage (Voc / V)	40.6	38.2	40.8	38.4	41.0	38.6	41.2	38.8	41.4	38.9
Short circuit current (Isc / A)	12.08	9.73	12.14	9.78	12.21	9.84	12.28	9.9	12.34	9.95
Max. power voltage (Vmp / V)	33.6	31.6	33.8	31.8	34.0	32.0	34.2	32.2	34.4	32.5
Max. power current (Imp / A)	11.47	9.21	11.54	9.26	11.62	9.32	11.7	9.38	11.77	9.41
Module efficiency at STC (ηm / %)	20.0		20.3		20.5		20.8		21.1	
Power tolerance (Pmax)	(0,+5) Wp									

STC: Irradiance of 1000 W/m² with spectrum AM 1.5 and a module temperature of 25°C

NOCT: Irradiance 800W/m2, ambient temperature 20°C, a module temperature of 45°C and wind speed 1 m/s

TEMPERATURE PARAMETERS

Temperature Coefficient of Pmax	-0.340 % / °C
Temperature Coefficient of Voc	-0.250 % / °C
Temperature Coefficient of Ic	+0.040 % / °C
Operating Temperature	-40°C to +85 °C
Normal Operating Cell Temperature (NOCT)	43±2°C

MAXIMUM RATING

Max. System Voltage	1500V DC -(H)
Max. Series Fuse Rating	28A

MATERIAL CHARACTERISTICS

Dimensions	1754 x 1096 x 35 mm
Weight	21.0 kg
Number of cells	120 pcs (5*24)
Cells Type	10BB (210mm)
Glass	3.2 mm AR coated tempered glass / low iron
Frame	Silver anodized aluminum alloy
Junction box	IP68 / 3 diodes
Connector type	MC Compatible
Cable	4.0mm² , 300mm
Uplift load (wind)	2400 Pa
Downforce load (snow)	5400 Pa

*For more information please refer to Instruction Manual

PACKAGING INFORMATION

One pallet quantity	30 pcs
40 ft HC/HQ container	780 pcs

CERTIFICATES

IEC62716 (Ammonia), IEC60068-2-68(Sand)
IEC61215 / 61730



DIMENSIONS

