

AIONRISE

Generate | Store | Utilise

PHOTOVOLTAIC MODULE

ALL BLACK PERC
AE HM6-72 SERIES 385-405 Wp

MADE IN GEORGIA

AIONRISE PV modules are manufactured only in-house at the own fully automated facilities with an integrated uncompromising multi-step quality check using the latest available technology

REDUCING LCOE

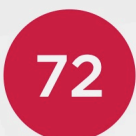
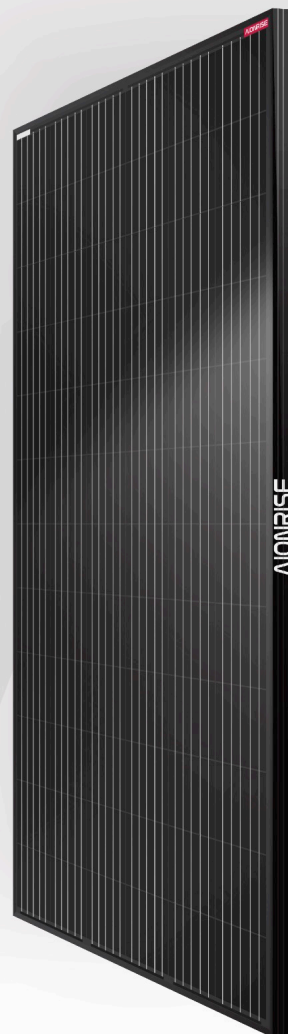
Compounded by the European bill of materials AIONRISE products deliver long-term higher output comparing to other analogs and provide lower Levelized Cost of Energy.

COMMITMENTS

We provide linear 30 years performance guarantee and 12 years product warranty.

CERTIFIED QUALITY

AIONRISE is certified by all key quality programs of TUV Rhineland, which considerably expand tests of IEC 61215 / 61730 / 62716 / 61701 and UL 61730 with Regular Production Surveillance performed every six months. Extensive participation in the testing programs of the global independent certification authority ensures the high reliability, safety, and quality of our modules.



CELLS



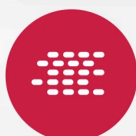
MICRO-CRACK
FREE



PID RESISTANT



SALT CORROSION
RESISTANT



SAND RESISTANT



HIGHLY STABLE
AND TOUGH



AMMONIA RESISTANT

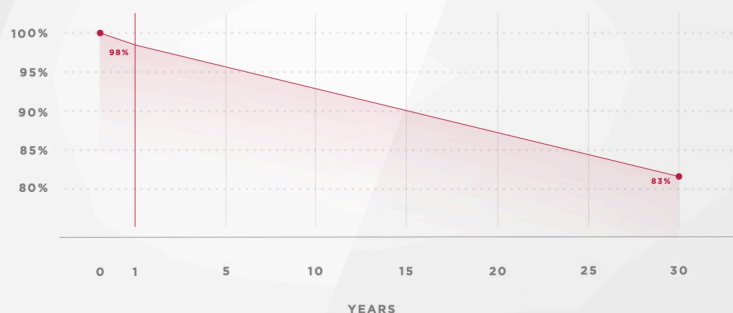
30
—
YEARS

PERFORMANCE
GUARANTEE

12
—
YEARS

PRODUCT
WARRANTY

GUARANTEED MODULE PERFORMANCE



MADE IN GEORGIA

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ELECTRICAL CHARACTERISTICS

		AE385HM6-72	AE390HM6-72	AE395HM6-72	AE400HM6-72	AE405HM6-72
Nominal maximum power	P _{max} (Wp)	385	390	395	400	405
Maximum power voltage	V _{mp} (V)	39.12	39.22	39.32	39.42	39.52
Maximum power current	I _{mp} (A)	9.85	9.95	10.05	10.15	10.25
Open-circuit voltage	V _{oc} (V)	47.91	48.04	48.17	48.29	48.41
Short-circuit current	I _{sc} (A)	10.39	10.48	10.58	10.69	10.79
Module efficiency	(%)	19.53	19.65	19.90	20.16	20.41
Power tolerance	P _{max} (Wp)			0 / + 5		
Maximum system voltage DC	(V)			1000/1500		
Maximum system fuse rating	(A)			20		
Operating temperature	(°C)			-40 to +85		
Temperature coefficients of P _{max}	(% / °C)			-0.36		
Temperature coefficients of V _{oc}	(% / °C)			-0.29		
Temperature coefficients of I _{sc}	(% / °C)			0.048		
Normal operating cell temperature (NOCT)	(°C)			45 ± 2		

The electrical data apply to standard test conditions (STC): Irradiance of 1000 W/m² with spectrum AM 1.5 and a cell temperature of 25°C

MATERIAL CHARACTERISTICS

Cell type	Mono-crystalline
Cells size	158.75 x 158.75 mm, G1
Number of cells	72 pcs (6 x 12)
Backsheet	Black, 310 µm
Dimensions	1979 x 1002 x 40 mm
Weight	23.3 kg
Junction box	IP 67 rated, 3 bypass diodes
Output cable	4.0 mm ² , 1200 mm
Connector type	Staubli MC4 / MC4-Evo 2

MAXIMUM LOAD

Installation type: 4 point bolting on the long side	
Uplift load	2400 Pa / 244 kg/m ²
Downforce load	5400 Pa / 550 kg/m ²
Installation type: 4 point clamping on the long side	
Uplift load	3600 Pa / 367 kg/m ²
Downforce load	5400 Pa / 550 kg/m ²

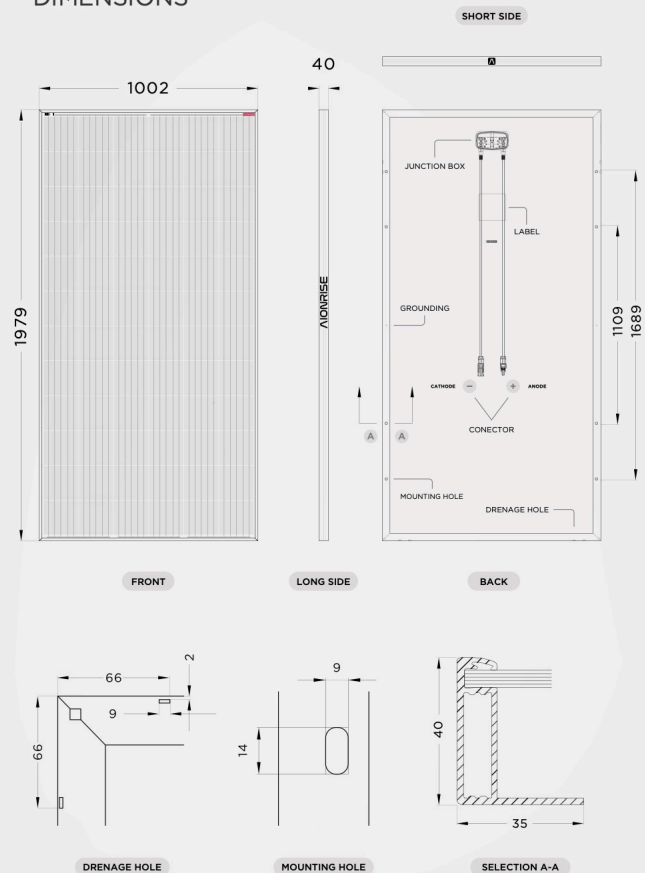
PACKAGING INFORMATION

Pallet quantity	26 pcs
Pallet size	2018 x 1095 x 1125 mm
Pallet weight	635 kg
Double pallet quantity	52 pcs + 4 pcs
Double pallet size	2018 x 1095 x 2450 mm
Double pallet weight	1365 kg

LOADING INFORMATION

20 ft HC / HQ Container	280 pcs maximum
40 ft HC / HQ Container	616 pcs maximum
Truck	780 pcs maximum

DIMENSIONS



CERTIFICATES



CONTACT INFORMATION

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