

AIONRISE

Generate | Store | Utilise

PHOTOVOLTAIC MODULE

PERC TECHNOLOGY AE M6-72
SERIES 370-390Wp

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

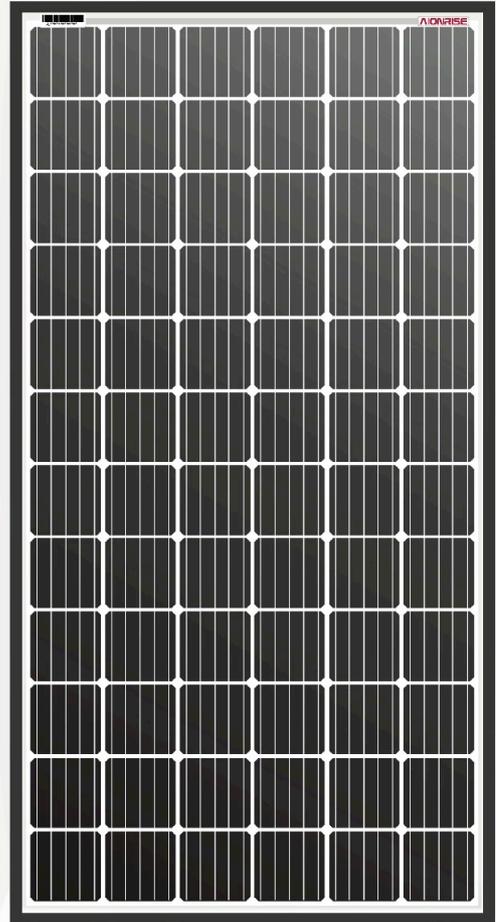
Compounded by the European bill of materials AIONRISE products deliver long-term higher output comparing to other analogs and provide lower Levelized Cost of Energy.

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

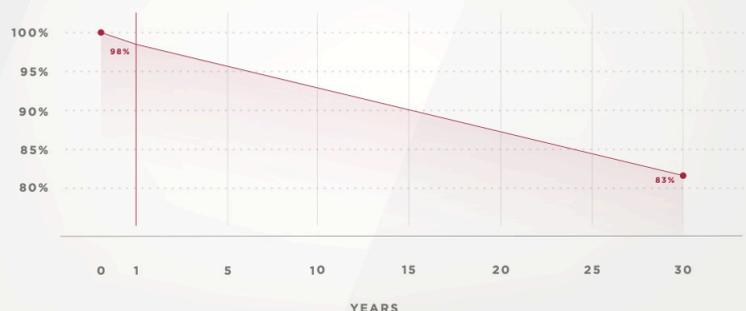
30
—
YEARS

PERFORMANCE
GUARANTEE

12
—
YEARS

PRODUCT
WARRANTY

GUARANTEED MODULE PERFORMANCE



MADE IN GEORGIA

AIONRISE

ELECTRICAL CHARACTERISTICS

		AE370M6-72	AE375M6-72	AE380M6-72	AE385M6-72	AE390M6-72
Nominal maximum power	P _{max} (Wp)	370	375	380	385	390
Maximum power voltage	V _{mp} (V)	39.63	39.66	39.71	39.73	41.10
Maximum power current	I _{mp} (A)	9.34	9.46	9.57	9.69	9.81
Open-circuit voltage	V _{oc} (V)	47.48	47.53	47.59	47.81	48.2
Short-circuit current	I _{sc} (A)	9.69	9.75	9.82	9.95	10.12
Module efficiency	(%)	19.07	19.33	19.58	19.84	20.06
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

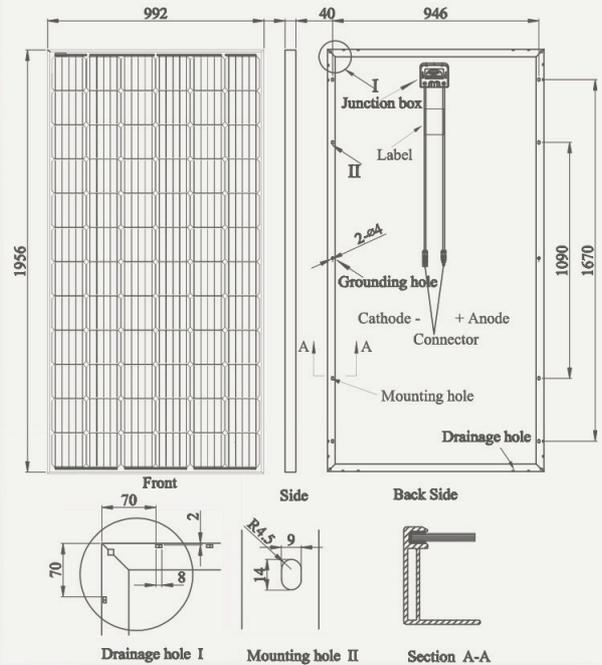
MATERIAL CHARACTERISTICS

Cell type	Mono-crystalline
Cells size	156,75 x 156,75mm, m ²
Number of cells	72 (6 x 12)
Backsheet	White, 310 µm
Dimensions	1956 x 992 x 40mm
Weight	23 kg
Junction box	IP 67 rated
Output cable	1 x 4.0mm ² ,900mm length or customised
Connector type	MC 4 / MC 4 compatible
Hail resistance	Max. Ø 28 mm, at 23 m/s
Wind load	2400 Pa / 244 kg/c
Mechanical load	5400 Pa / 550 kg/m ²

PACKAGING INFORMATION

Packing	56 pcs / double pallet
Loading Capacity	672 pcs / 40HQ
Size / pallet (mm)	1990 x 1120 x 2335
Weight	1380 kg / pallet

DIMENSIONS



CERTIFICATES



UL 61730-2:2017
UL 61730-1:2017



Ammonia Resistance
Regular Production Surveillance



www.tuv.com
ID 1111236307



IEC 61215
IEC 61730
Regular Production Surveillance



www.tuv.com
ID 1111230375



Regular Production Surveillance
Salt Mist Resistance



www.tuv.com
ID 1111236308

CONTACT INFORMATION

AIONRISE Holding Inc.

651 N Broad St, Middletown, DE 19709, USA

Manufacturing:

AIONRISE LLC

88 Avtomshenebeli St, 4600 Kutaisi, Georgia

+1 888 885 AION (toll free)

info@aionrise.com

www.aionrise.com



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