AIONRISE

Generate | Store | Utilise

PHOTOVOLTAIC MODULE

ALL BLACK PERC

AION72G1 **395 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 LCOE.

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.

- POSITIVE POWER TOLERANCE
- MICRO-CRACK FREE
- PID RESISTANT
- SALT CORROSION RESISTANT
- SAND RESISTANT
- HIGHLY STABLE AND TOUGH

25 YEARS

EXTENDED WARRANTY

TERMS AND CONDITIONS APPLY

GUARANTEED MODULE PERFORMANCE



MADE IN GEORGIA

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AIONRISE

MATERIAL CHARACTERISTICS

Dimensions	77.9 x 39.5 x 1.6 in / 1979 x 1002 x 40 mm
Weight	51.37 lb / 23.5 kg
Number of cells	72 pcs (6 x 12)
Cells type	Mono-crystalline
Cells size	158.75 x 158.75 mm, G1
Glass	3.2 mm double layer, AR coated, Iron free
Backsheet	Black, 390 µm
Junction box	IP 67 rated, 3 bypass diodes
Output cable	4.0 mm², 1200 mm
Connector	Staubli MC4-Evo 2

PACKAGING INFORMATION

One pallet quantity	26 pcs
Pallet size	79.45 x 43.1 x 44.3 in / 2018 x 1095 x 1125 mm
Pallet weight	1431 lb / 649 kg
Double pallet quantity	52 pcs + 6 pcs
Double pallet size	79.45 x 43.1 x 96.5 in / 2018 x 1095 x 2550 mm
Double pallet weight	3197 lb / 1450 kg

LOADING INFORMATION

20 ft HC / HQ Container	290 pcs maximum
40 ft HC / HQ Container	638 pcs maximum
Truck	780 pcs maximum

ELECTRICAL CHARACTERISTICS — AION72G1-395

Nominal maximum power	**Pmax (Wp)**	**395**
Maximum power voltage	**Vmp (V)**	**39.32**
Maximum power current	**Imp (A)**	**10.05**
Open-circuit voltage	**Voc (V)**	**48.17**
Short-circuit current	**Isc (A)**	**10.58**
Module efficiency	**(%)**	**19.9**
Power tolerance	**Pmax (Wp)**	**0 / +5**
Maximum system voltage DC	**(V)**	**1500**
Maximum system fuse rating	**(A)**	**20**
Operating temperature	**(°C)**	**-40 to +85**
Temperature coefficients of Pmax	**(% / °C)**	**-0.36**
Temperature coefficients of Voc	**(% / °C)**	**-0.29**
Temperature coefficients of Isc	**(% / °C)**	**0.048**
Normal operating cell temperature (NOCT)	**(°C)**	**45 ± 2**

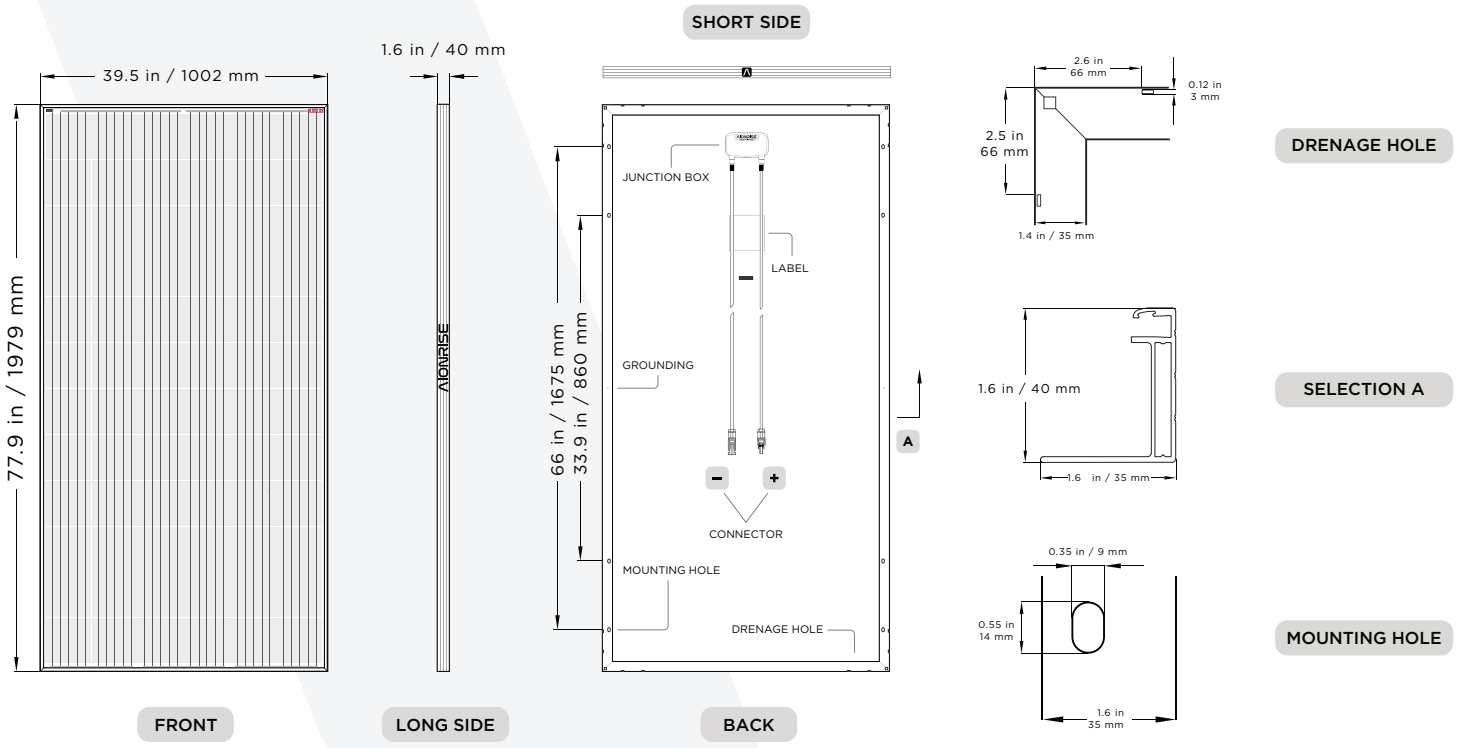
The electrical data apply to standard test conditions (STC):
Irradiance of 1000 W/m2 with spectrum AM 1.5 and a cell temperature of 25°C

MAXIMUM LOAD*

Uplift load (wind)	3600 Pa (367 kg/m2)
Downforce load (snow)	3600 Pa (367 kg/m2)

*For more information please refer to Instruction Manual

DIMENSIONS



CERTIFICATES

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

Ammonia Resistance
Regular Production Surveillance
www.tuv.com
ID 1111249124

IEC 61215
IEC 61730
Regular Production Surveillance
www.tuv.com
ID 1111245966

Salt Mist Resistance
Regular Production Surveillance
www.tuv.com
ID 1111249125

CONTACT INFORMATION

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