AIONRISE

Generate | Store | Utilise

CONTENT

MAIN GLOBAL POWER SOURCE

Global climate change is here - glaciers have shrunk, ice on rivers and lakes is breaking up earlier, plant and animal ranges have shifted, and trees are flowering sooner.Many species are at the extinction level.

Solar energy is the main option for reducing future greenhouse gas emissions. Offsetting 50% of all future growth in thermal electricity generation by photovoltaics would reduce annual global carbon dioxide emission from projected increased levels by 10% in 20 years and 32% in 50 years.

PV technology development and large-scale manufacturing finally made solar energy currently the most affordable power source. Now the main struggle is for energy storage technologies that are rapidly declining in costs.

AIONRISE is a manufacturer of Photovoltaic Modules – the main global power source of the future.

AT A GLANCE

AIONRISE is a US-based international PV technology company created by dint of inherited experience and knowledge from German roots.

AIONRISE's fully automated solar panels facilities are located in Europe and South East Asia.

AIONRISE is committed to provide its customers clean energy solutions using modern technology that rapidly is developing in Renewable Energy Industry. We apply state-of-the-art materials and components in our manufacturing to sustain the high quality and reliability of our products.

Our technology has proven its reliability in all possible harsh conditions, would it be Scandinavian winters, Arabian and African desert heats, storms of Pacific and Atlantic as we have supplied and installed our solar panels all over the globe delivering an affordable and long-term solution for energy needs.

SUPERIOR COMPONENTS

AIONRISE takes efforts to enhance the power output of its products. In order to achieve the best performance of each component in the solar panel, the company uses superior quality and proven suppliers.

Our commitment to quality and performance is ensured with our TÜV Rhineland registered Bill of Materials that is always updated by various types of components tested to have fully complied with international quality check standards.

POSITIVE POWER TOLERANCE

MICRO-CRACK FREE

PID RESISTANT

SALT CORROSION RESISTANT

SAND RESISTANT

HIGHLY STABLE AND TOUGH

AMMONIA RESISTANT

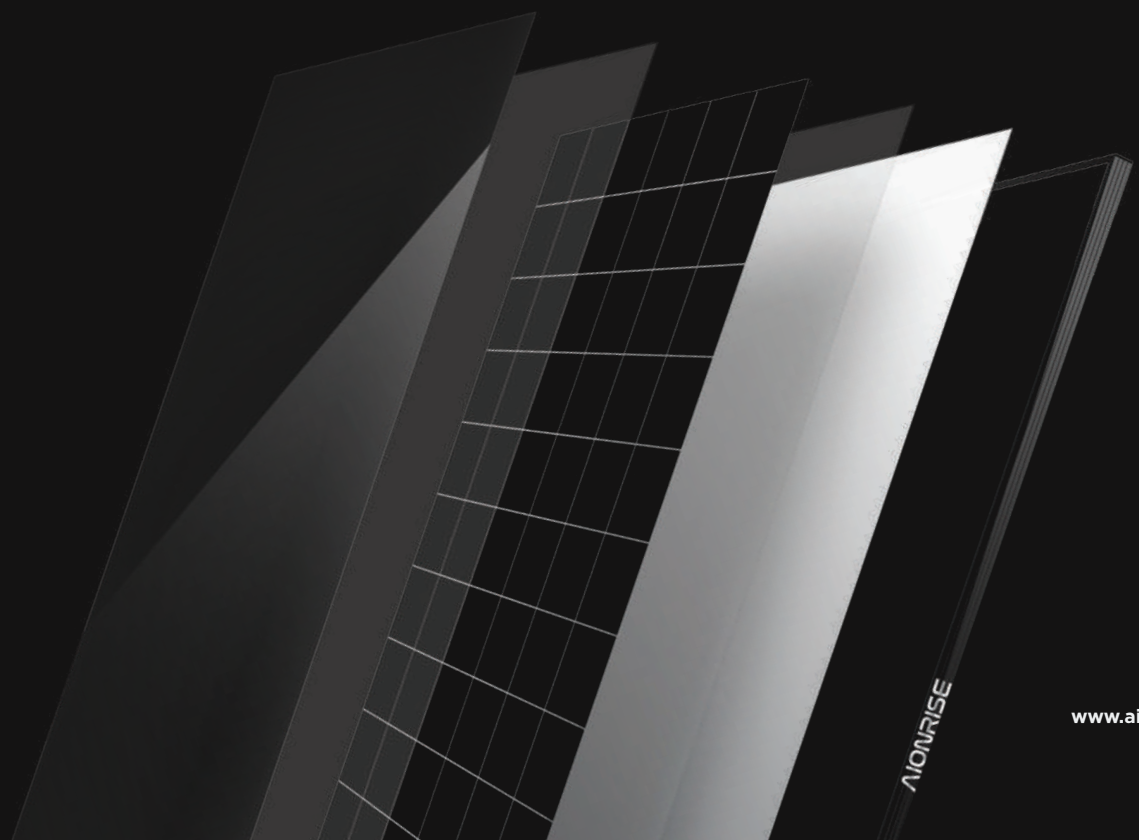
25 YEARS

EXTENDED WARRANTY

TERMS AND CONDITIONS APPLY

GUARANTEED MODULE PERFORMANCE

MADE IN GEORGIA



CERTIFIED QUALITY

Adhering to the pursuit of excellence and innovation in solar technology, AIONRISE is continuously dedicated to increasing product quality.

AIONRISE is one of the companies that are certified by all key quality programs from TUV Rhineland, which considerably expands the well-known module tests of IEC 61215, IEC 61730, 62716, 61701, and UL 61730. Regular Production Surveillance is performed every six months.

This extensive participation in the quality tested programs of global independent certification authority ensures the continuously high safety, durability, and quality of our solar panels over the long-term performance.

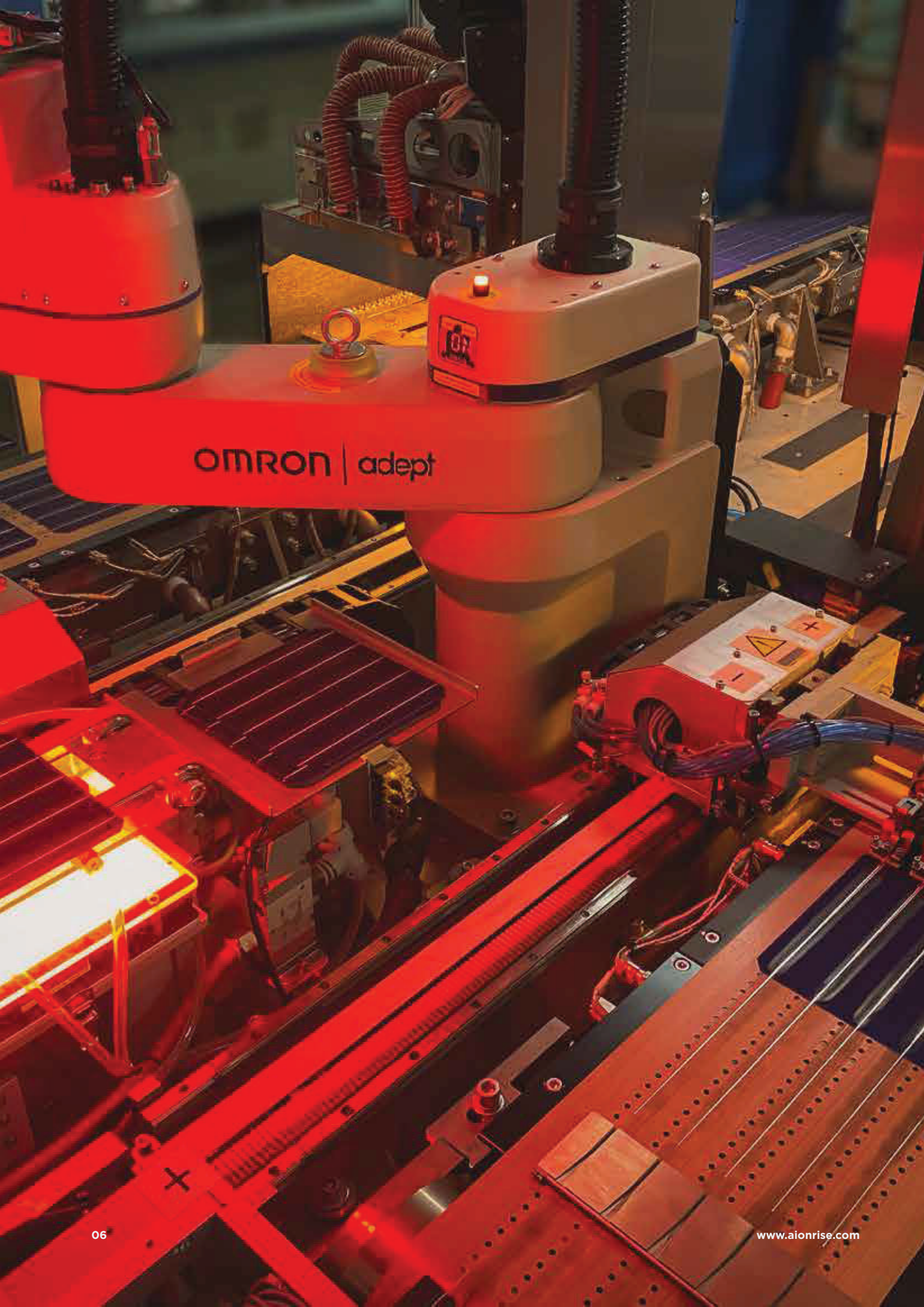
UL 61730-2:2017
UL 61730-1:2017

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

MADE IN GEORGIA


OMRON | adept

PHOTOVOLTAIC MODULE
ALL BLACK PERC
330 Wp

PHOTOVOLTAIC MODULE
ALL BLACK PERC
360 Wp

PHOTOVOLTAIC MODULE
ALL BLACK PERC
395 Wp

PHOTOVOLTAIC MODULE

ALL BLACK PERC

330 Wp

AION60G1-330

ELECTRICAL CHARACTERISTICS

Nominal maximum power	Pmax (Wp)	330
Maximum power voltage	Vmp (V)	33.81
Maximum power current	Imp (A)	9.76
Open-circuit voltage	Voc (V)	41.31
Short-circuit current	Isc (A)	10.37
Module efficiency	(%)	19.90
Power tolerance	Pmax (Wp)	0 / +5
Maximum system voltage DC	(V)	1000 / 1500
Maximum system fuse rating	(A)	20
Operating temperature		-40°C (-40°F) to +85°C (+185°F)
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)	5400 Pa (210 mph)
Downforce load (snow)	5400 Pa

*For more information please refer to Instruction Manual

PACKAGING INFORMATION

One pallet quantity	30 pcs
Pallet size	67.3 x 43.7 x 44.9 in / 1710 x 1110 x 1140 mm
Pallet weight	1294 lb / 587 kg
Double pallet quantity	60 pcs + 4 pcs
Double pallet size	67.3 x 43.7 x 97.6 in 1710 x 1110 x 2480 mm
Double pallet weight	2760 lb / 1252 kg

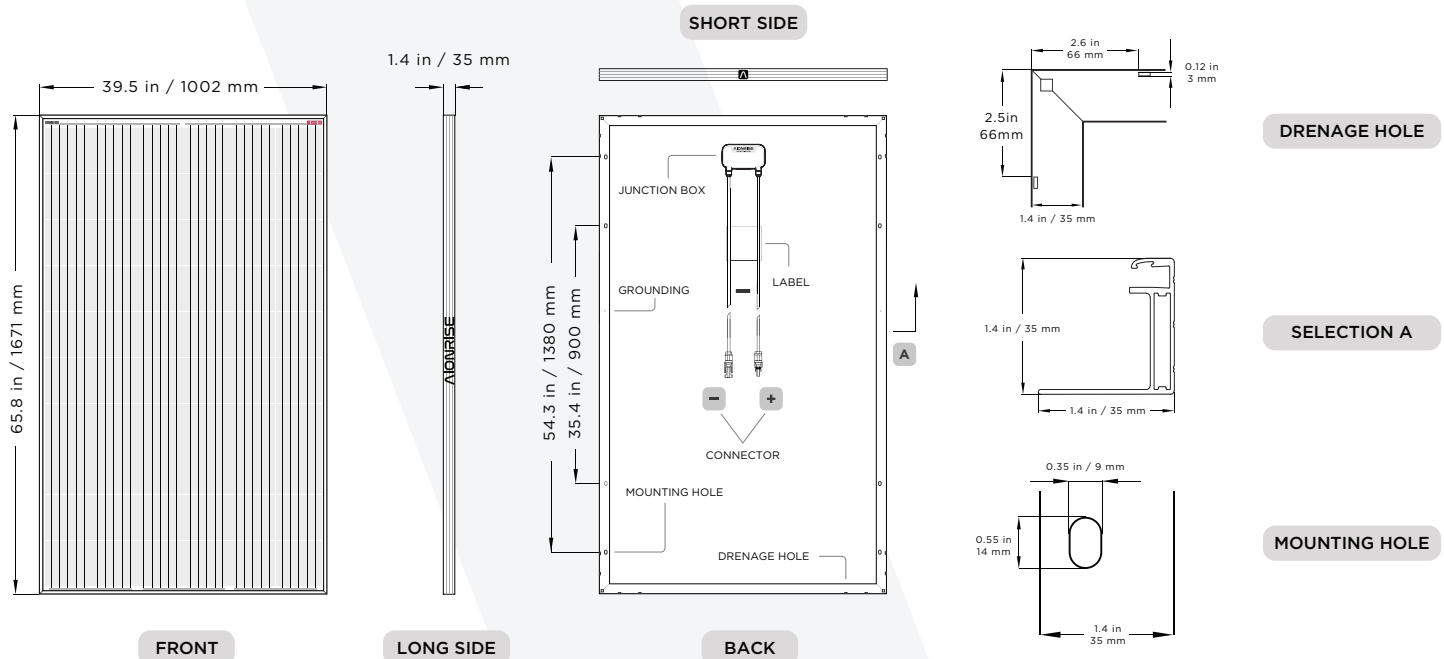
MATERIAL CHARACTERISTICS

Dimensions	65.8 x 39.5 x 1.4 in / 1671 x 1002 x 35 mm
Weight	40.35 lb / 18.3 kg
Number of cells	60 pcs (6 x 10)
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, 315 µm
Junction box	IP 67 rated, 3 bypass diodes
Output cable	4 mm2, 3.28 ft
Connector	Staubli MC4 / MC4-Evo 2

LOADING INFORMATION

20 ft HC / HQ Container	384 pcs maximum
40 ft HC / HQ Container	896 pcs maximum
Truck	952 pcs maximum

DIMENSIONS



PHOTOVOLTAIC MODULE
ALL BLACK PERC
360 Wp

AION66G1-360

ELECTRICAL CHARACTERISTICS

Nominal maximum power	Pmax (Wp)	360
Maximum power voltage	Vmp (V)	38.05
Maximum power current	Imp (A)	9,64
Open-circuit voltage	Voc (V)	46,43
Short-circuit current	Isc (A)	10,09
Module efficiency	(%)	19,6
Power tolerance	Pmax (Wp)	0 / +5
Maximum system voltage DC	(V)	1000 / 1500
Maximum system fuse rating	(A)	20
Operating temperature	(°C)	-40°C (-40°F) to +85°C (+185°F)
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)	5400 Pa (210 mph)
Downforce load (snow)	5400 Pa

*For more information please refer to Instruction Manual

MATERIAL CHARACTERISTICS

Dimensions	72.05 x 39.5 x 1.6 in / 1830 x 1002 x 40 mm
Weight	45.19 lb / 20.5 kg
Number of cells	66 pcs (6 x 11)
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, 310 µm
Junction box	IP 67 rated, 3 bypass diodes
Output cable	4.0 mm², 3.94 ft
Connector	Staubli MC4 / MC4-Evo 2

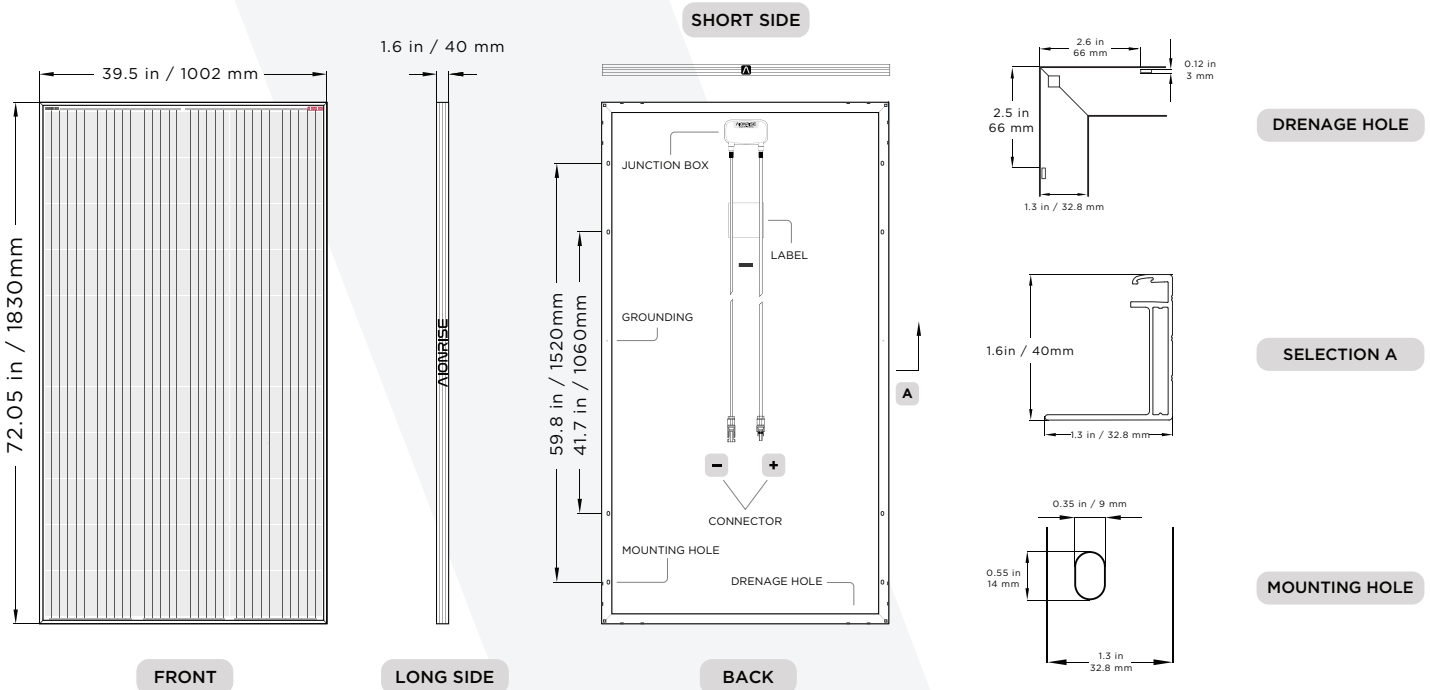
PACKAGING INFORMATION

One pallet quantity	26 pcs
Pallet size	73.3 x 43.1 x 44.3 in / 1861 x 1095 x 1125 mm
Pallet weight	1265.4 lb / 574 kg
Double pallet quantity	52 pcs + 4 pcs
Double pallet size	73.3 x 43.1 x 96.5 in / 1861 x 1095 x 2450mm
Double pallet weight	2729.3 lb / 1238 kg

LOADING INFORMATION

20 ft HC / HQ Container	336 pcs maximum
40 ft HC / HQ Container	672 pcs maximum
Truck	840 pcs maximum

DIMENSIONS



PHOTOVOLTAIC MODULE
SILVER FRAME PERC
395 Wp

AION72G1-395

ELECTRICAL CHARACTERISTICS

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)	1000 / 1500
Maximum system fuse rating	(A)	20
Operating temperature	(°C)	-40°C (-40°F) to +85°C (+185°F)
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)	5400 Pa (210 mph)
Downforce load (snow)	5400 Pa

*For more information please refer to Instruction Manual

MATERIAL CHARACTERISTICS

Dimensions	77.9 x 39.5 x 1.6 in / 1979 x 1002 x 40 mm
Weight	51.37 lb / 23.3 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, 310 µm
Junction box	IP 67 rated, 3 bypass diodes
Output cable	4.0 mm², 3.94 ft
Connector	Staubli MC4 / MC4-Evo 2

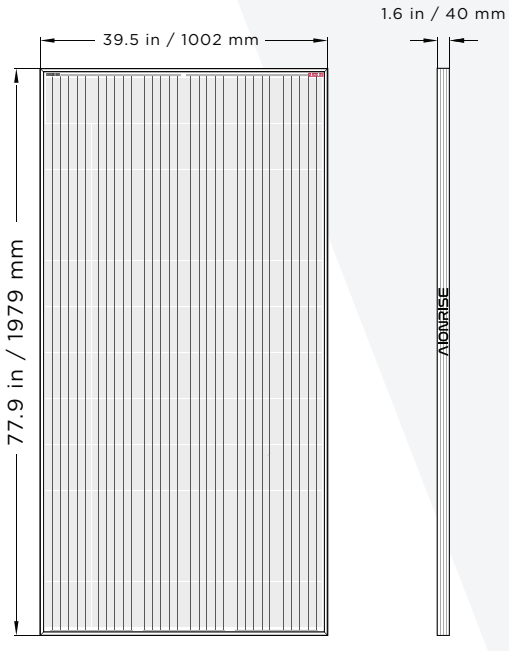
PACKAGING INFORMATION

One pallet quantity	26 pcs
Pallet size	79.45 x 43.1 x 44.3 in/2018 x 1095 x 1125 mm
Pallet weight	1400 lb / 635 kg
Double pallet quantity	52 pcs + 4 pcs
Double pallet size	79.45 x 43.1 x 96.5 in/2018 x 1095 x 2450 mm
Double pallet weight	3009.3 lb / 1365 kg

LOADING INFORMATION

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

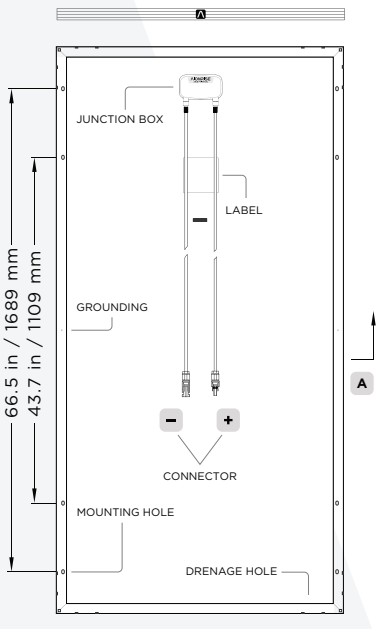
DIMENSIONS



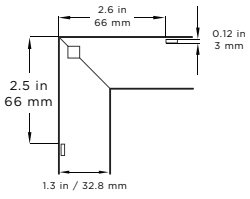
FRONT

LONG SIDE

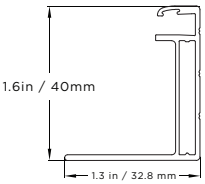
SHORT SIDE



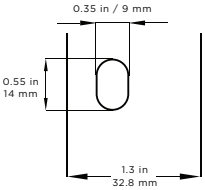
BACK



DRENAGE HOLE



SELECTION A



MOUNTING HOLE

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AIONRISE

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