

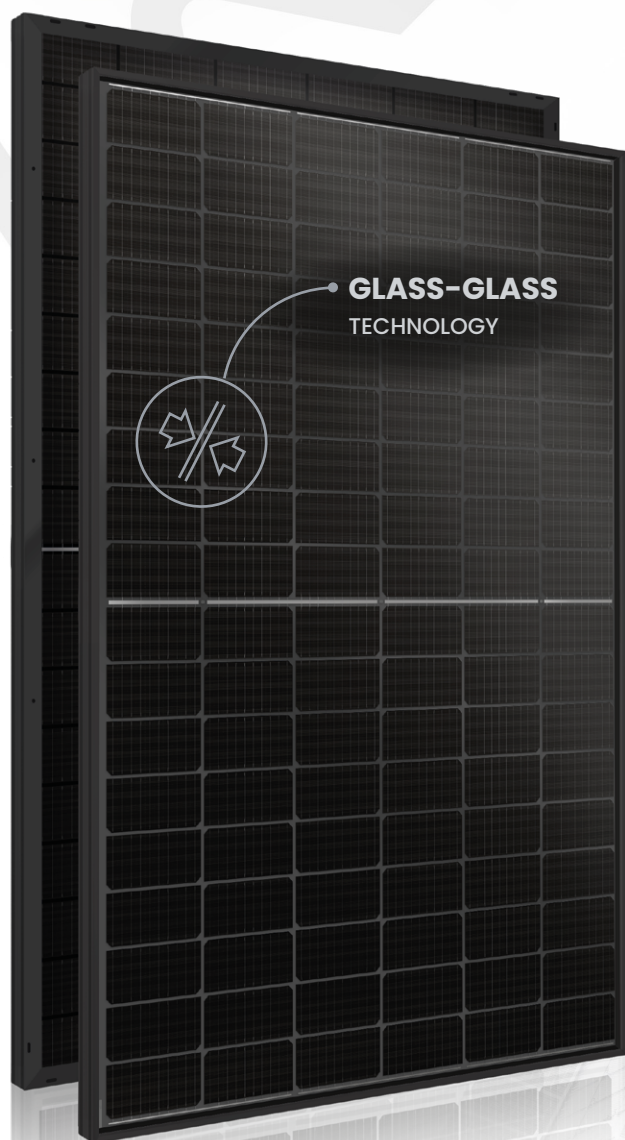
AVRii

SOL

MODULES

Avrii SOL N-Power

GG-420 Full black



GLASS-GLASS
TECHNOLOGY



Dual tempered glass
– 2 mm each



High-efficiency multi-
busbar N-type
monocrystalline half-cells



Exceptional weather
resistance

Higher efficiency
of cells up to 25%



PID resistance



Linear performance warranty
20 Years Product Warranty
25 Years Linear Power Warranty



More than
energy



EUROPEAN
PRODUCER

Avrii SOL N-Power MODULE

Avrii SOL N-Power GG-420

ELECTRICAL PARAMETERS STC	GG-420
Nominal power [Wp]	420
Short-circuit current [A]	14,06
Nominal current [A]	13,44
Open circuit voltage [V]	37,91
Nominal voltage [V]	31,25
Efficiency [%]	21,08

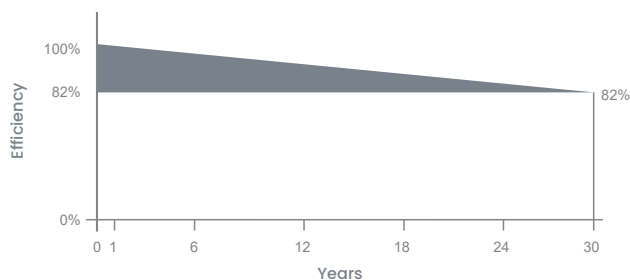
STC: Irradiance 1000 W/m², Air mass 1.5 AM, Cells temperature 25 °C.
Measurement tolerance STC ± 2 %.

ELECTRICAL PARAMETERS LIC	GG-420
Nominal power [Wp]	80,1
Short-circuit current [A]	2,77
Nominal current [A]	2,61
Open circuit voltage [V]	35,31
Nominal voltage [V]	30,67

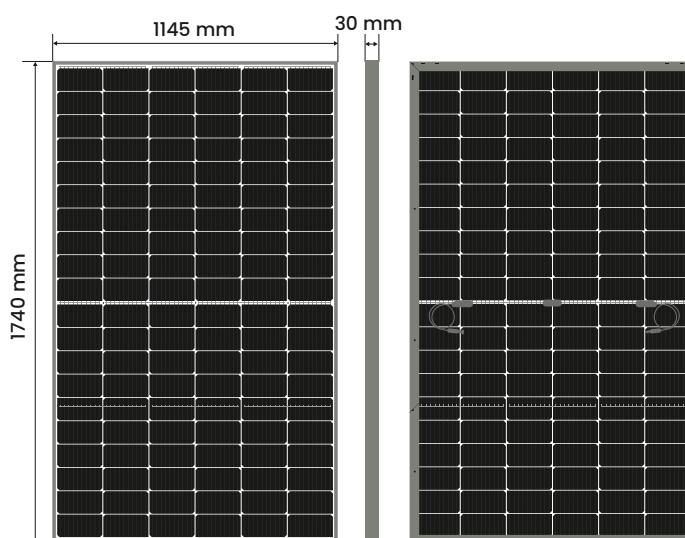
LIC: Irradiance 200 W/m², Air mass 1.5 AM, Cells temperature 25 °C.
Measurement tolerance STC ± 5 %.

TEMPERATURE PARAMETERS	GG-420
Current temperature coeff.	0,040 %/°C
Voltage temperature coeff.	-0,255 %/°C
Power temperature coeff.	-0,291 %/°C

LINEAR POWER WARRANTY



TEMPERATURE PARAMETERS	GG-420
Power tolerance	/ +1%
Safety class	II
Maximum system voltage	1000/1500 VDC
Operating temperature	-40 / +85 °C
Reverse current protection	22 A
MECHANICAL PARAMETERS	GG-420
Length [mm]	1740
Width [mm]	1145
Height [mm]	30
Weight [kg]	24
COMPOSITION	GG-420
Front glass	2 mm, Tempered
Encapsulant	Folia EVA Czarna
Back glass	2 mm, Tempered
Frame	Anodised aluminium, black
Cells	Monocrystalline N-Type
Cells quantity	108
Junction box	IP68, 3 by-pass diodes 2 x 1100 mm, $\phi = 4$ mm ²
Cables	
ENDURANCE PARAMETERS	GG-420
Maximum Mechanical Load	5400 Pa
Maximum Wind Load	2400 Pa
Hail Endurance	$\phi = 25$ mm, V=82,8 km/h
PACKING	GG-420
Packing system	Carton box 1,8 x 1,2 x 1,25
Quantity	34 Pcs/Pallet
Transport	28 Pallets/Truck



The technical sheet contains information valid as of the date specified in the document revision.

Due to ongoing research and the introduction of new products, Avrii reserves the right to make any changes to these parameters without prior notice.

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