

AVRii SOL

MODULES

Avrii SOL Opti-Power
WB-460



High-efficiency perc
monocrystalline HALF-CELLS

Maximum
efficiency 21,05 %



Enhanced mechanical load
Wind load 2400 Pascal
Snow load 5400 Pascal

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



Quick and easy
assembly

PID resistance



More than
energy



EUROPEAN
PRODUCER

Avrii SOL Opti-Power MODULES

Avrii SOL Opti-Power WB-460

ELECTRICAL PARAMETERS STC	WB-460
Nominal power [Wp]	460
Short-circuit current [A]	13,77
Maximum power current [A]	13,13
Open-circuit voltage [V]	41,68
Maximum power voltage [V]	35,06
Efficiency [%]	21,05

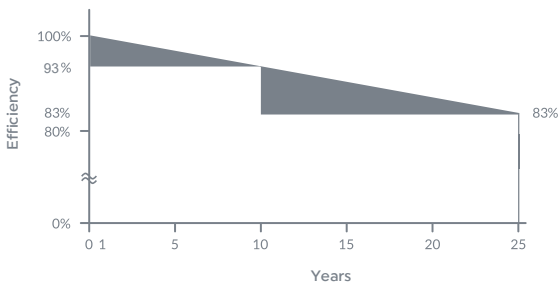
STC: Irradiance 1000 W/m², Air mass 1.5 AM, Cells temperature 25 °C.
Measurement tolerance STC ± 2 %.

ELECTRICAL PARAMETERS LIC	WB-460
Nominal power [Wp]	87,80
Short-circuit current [A]	2,71
Maximum power current [A]	2,55
Open-circuit voltage [V]	38,82
Maximum power voltage [V]	34,41

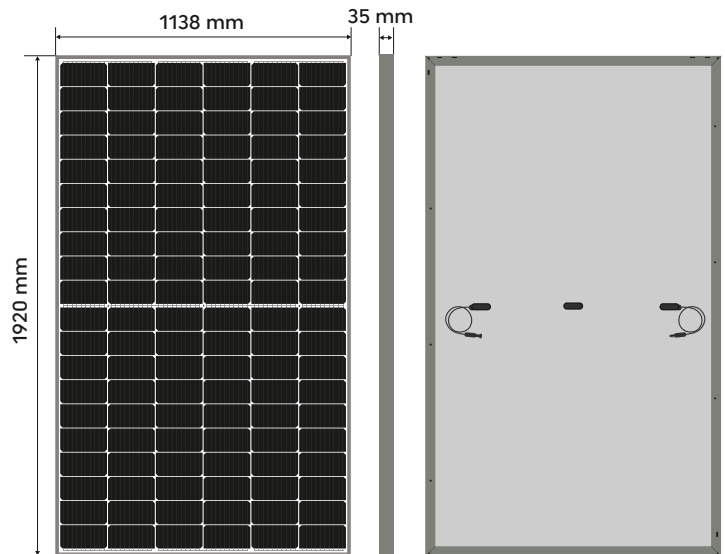
LIC: Irradiance 200 W/m², Air mass 1.5 AM, Cells temperature 25 °C.
Measurement tolerance STC ± 5 %.

TEMPERATURE PARAMETERS	WB-460
Current temperature coeff.	0,046%/°C
Voltage temperature coeff.	-0,259%/°C
Power temperature coeff.	-0,324%/°C

LINEAR POWER WARRANTY



OPERATING PARAMETERS	WB-460
Power tolerance	0/+1%
Safety class	II
Maximum system voltage	1000/1500 VDC
Operating temperature	-40 to +85°C
Reverse current protection	25 A
MECHANICAL PARAMETERS	WB-460
Length [mm]	1920
Width [mm]	1138
Height [mm]	35
Weight [kg]	24
COMPOSITION	WB-460
Front glass	3,2 mm, Tempered
Encapsulant	EVA film
Frame	Anodised aluminium, Black
Cells	Monocrystalline, Class A
Cells quantity	120
Junction box	IP68, 3 by-pass diodes
Cables	2 x 1100 mm, $\phi = 4 \text{ mm}^2$
Connectors	MC4 compatible, IP68
ENDURANCE PARAMETERS	WB-460
Maximum Snow Load	5400 Pa
Maximum Wind Load	2400 Pa
Hail Endurance	$\phi = 25 \text{ mm}$, $V=82,8 \text{ km/h}$
PACKING	WB-460
Packing system	Carton box 2,0 x 1,25 x 1,2
Quantity	31 Pcs/Pallet
Transport	26 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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