

AVRii SOL

MODULES Avrii SOL Opti-Power BB-400



High-efficiency perc
monocrystalline HALF-CELLS

Maximum
efficiency 20,26 %



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 BB-400

ELECTRICAL PARAMETERS STC	BB-400
Nominal power [Wp]	400
Short-circuit current [A]	13,57
Maximum power current [A]	12,96
Open-circuit voltage [V]	36,71
Maximum power voltage [V]	30,87
Efficiency [%]	20,26

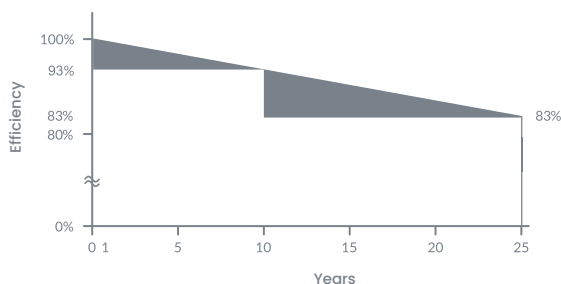
STC: Irradiance 1000 W/m², Air mass 1.5 AM, Cells temperature 25 °C.
Measurement tolerance STC ± 2 %.

ELECTRICAL PARAMETERS LIC	BB-400
Nominal power [Wp]	76,35
Short-circuit current [A]	2,67
Maximum power current [A]	2,52
Open-circuit voltage [V]	34,19
Maximum power voltage [V]	30,30

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

TEMPERATURE PARAMETERS	BB-400
Current temperature coeff.	0,046%/°C
Voltage temperature coeff.	-0,259%/°C
Power temperature coeff.	-0,324%/°C

LINEAR POWER WARRANTY



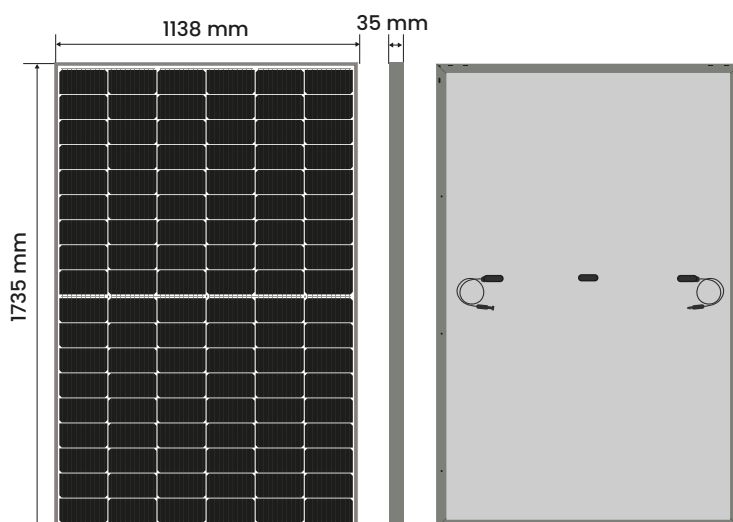
PRODUCT CERTIFICATIONS

IEC 61215, IEC 61730

CE Declaration of Conformity



OPERATING PARAMETERS	BB-400
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	BB-400
Length [mm]	1735
Width [mm]	1138
Height [mm]	35
Weight [kg]	21
COMPOSITION	BB-400
Front glass	3,2 mm, Tempered
Encapsulant	EVA film
Frame	Anodised aluminium, Black
Cells	Monocrystalline, Class A
Cells quantity	108
Junction box	IP68, 3 by-pass diodes
Cables	2 x 1100 mm, $\phi = 4 \text{ mm}^2$
Connectors	MC4 compatible, IP68
ENDURANCE PARAMETERS	BB-400
Maximum Snow Load	5400 Pa
Maximum Wind Load	2400 Pa
Hail Endurance	$\phi = 25 \text{ mm}$, $V = 82,8 \text{ km/h}$
PACKING	BB-400
Packing system	Carton box 1,8 x 1,25 x 1,2
Quantity	31 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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Management System
ISO 9001:2015
ISO 14001:2015
ISO 45001:2018
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