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Velario® Slim Anti-Glare

- Dual-Function: Roof & Photovoltaics
- Designed and Developed in Europe
- Quality assured through third-party testing
- 16 kg/m² - 30% less than common system
- Engineered for High Snow Load
- Tier 1 TOPCon cells

- Double Seam: 100 - Year Heritage
- Exceptional Wind & Water Protection
- Designed for Low Reflectance



Certificates

IEC 61215:2021 (PV Module Reliability)
IEC 61730:2023 (PV Module Safety)
MCS 005 (Product certification for UK market)
MCS 010 (Production control for UK market)
EN 13501-5:2016 (Fire safety)

Broof (t1) by GTC
Broof (t2) by Eurofins Expert Services Oy
Broof (t4) by Efectis

reddot winner 2025
sustainable design

2025 WINNER
EUROPEAN PRODUCT DESIGN AWARD

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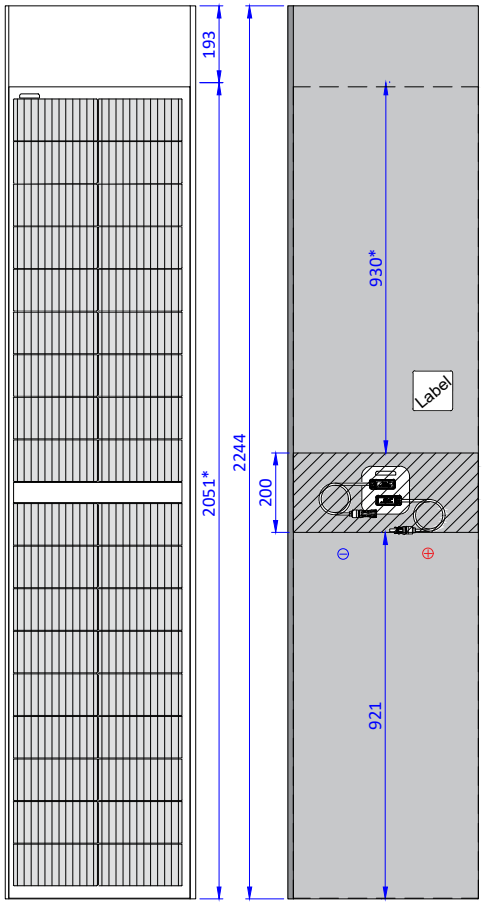
Product dimensions (units in mm)
General tolerance: ±1 mm / ±2°

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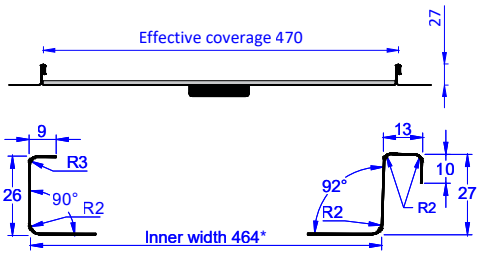
Module name:	**Velario Slim** **AG-2x18/180**
Specification 1:	UM/0.5/MAT/7016
Specification 2:	BT/0.6/MAT/7016

Contact

Roofit Solar Energy OÜ
Härgmäe 21, Tallinn 13525, Estonia
http://roofit.solar
info@roofit.solar



No batten zone
* Gap of 10 mm between 2 modules included



View from the bottom edge

*measured 3 mm from the bottom

Working Conditions

Maximum System Voltage	1000 V
Ambient Temperature	-40 °C ... +40 °C
Maximum Series Fuse Rating	25 A
Safety Class	Class II
Tested Positive Load	10 000 Pa = 1020 kg/m²
Tested Negative Load	4500 Pa
Impact Resistance	Hailstone up to 25 mm in size
Minimum Roof Slope	10 degrees

Mechanical Specifications

Cells		210 mm monocrystalline TOPCon 2x18 configuration
Encapsulant		POE
Front glass		3.2 mm tempered low-iron glass Gloss level 10 GU
Roofing material		
	Specification 1	0.5 mm steel S250GD 120 g/m2 zinc-magnesium galvanized 35 µm Granite Ultramat RAL 7016 Gloss level <5 GU
	Specification 2	0.6 mm steel DX53D 275 g/m² zinc galvanized 50 µm GreenCoat Pural BT RAL 7016 Gloss level <5 GU
Junction boxes		2 bypass diodes, IP68, potted
Connectors		Stäubli MC4-Evo 2
Cables		4 mm² H1Z2Z2-K solar cable length 500 mm
Effective roof coverage		2051 mm x 470 mm
Mounting method		Double Seam
Weight		14.6 kg (pc) = 15.1 kg/m² (installed)

Packing

Packing Configuration	40 modules per pallet
Pallet (LxWxH)	2335 x 1105 x 840 mm
Pallet weight	770 kg

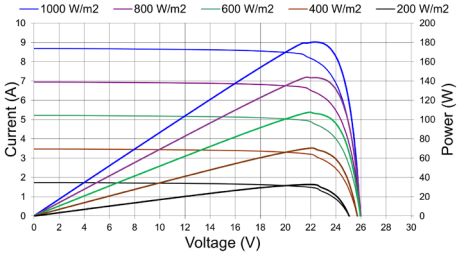
Thermal Characteristics

Temperature Coefficient of	P mpp	-0.334 %/K
Temperature Coefficient of	V oc	-0.259%/K
Temperature Coefficient of	I sc	0.049 %/K

Electrical Characteristics

* Standard Test Conditions (irradiance 1000 W/m², cell temperature 25 °C, spectrum AM 1.5)		STC*
Nominal Power	P mpp (W)	**180**
Open Circuit Voltage	Voc (V)	**26.5**
Short Circuit Current	I sc (A)	**8.4**
MPP Voltage	V mpp (V)	**22.8**
MPP Current	I mpp (A)	**7.9**
Module efficiency	η (%)	**19.1**

Power Tolerances ±3 %
Current and Voltage Tolerances ±3 %



Module name: **Velario Slim**
AG-2x12/120
Specification 1: UM/0.5/MAT/7016
Specification 2: BT/0.6/MAT/7016

Contact
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Working Conditions

Maximum System Voltage	1000 V
Ambient Temperature	-40 °C ... +40 °C
Maximum Series Fuse Rating	25 A
Safety Class	Class II
Tested Positive Load	10 000 Pa = 1020 kg/m²
Tested Negative Load	4500 Pa
Impact Resistance	Hailstone up to 25 mm in size
Minimum Roof Slope	10 degrees

Mechanical Specifications

Cells		210 mm monocrystalline TOPCon 2x12 configuration
Encapsulant		POE
Front glass		3.2 mm tempered low-iron glass Gloss level 10 GU
Roofing material		
	Specification 1	0.5 mm steel S250GD 120 g/m2 zinc-magnesium galvanized 35 µm Granite Ultramat RAL 7016 Gloss level <5 GU
	Specification 2	0.6 mm steel DX53D 275 g/m² zinc galvanized 50 µm GreenCoat Pural BT RAL 7016 Gloss level <5 GU
Junction boxes		2 bypass diodes, IP68, potted
Connectors		Stäubli MC4-Evo 2
Cables		4 mm² H1Z2Z2-K solar cable Length 500 mm
Effective roof coverage		1409 mm x 470 mm
Mounting method		Double Seam
Weight		10.4 kg (pc) = 15.7 kg/m² (installed)

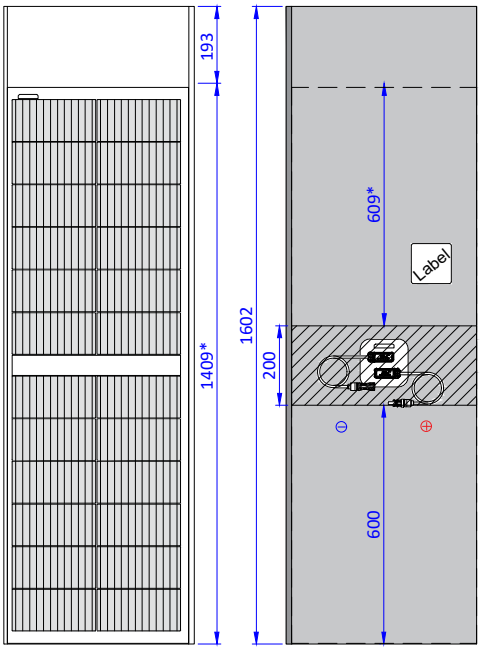
Packing

Packing Configuration	40 modules per pallet
Pallet (LxWxH)	1690 x 1105 x 840 mm
Pallet weight	540 kg

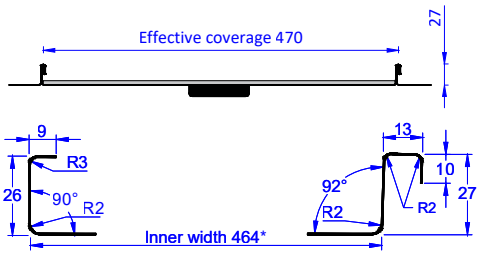
Thermal Characteristics

Temperature Coefficient of	P mpp	-0.334 %/K
Temperature Coefficient of	V oc	-0.259%/K
Temperature Coefficient of	I sc	0.049 %/K

Product dimensions (units in mm)
General tolerance: ±1 mm / ±2°



No batten zone
* Gap of 10 mm between 2 modules included

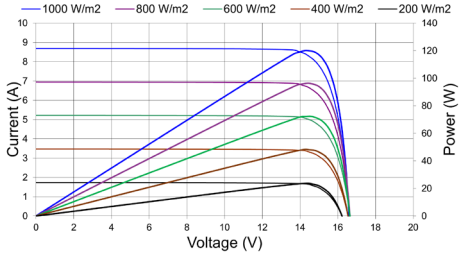


View from the bottom edge
*measured 3 mm from the bottom

Electrical Characteristics

* Standard Test Conditions (irradiance 1000 W/m², cell temperature 25 °C, spectrum AM 1.5)		STC*
Nominal Power	P mpp (W)	**120**
Open Circuit Voltage	Voc (V)	**17.6**
Short Circuit Current	I sc (A)	**8.4**
MPP Voltage	V mpp (V)	**15.2**
MPP Current	I mpp (A)	**7.9**
Module efficiency	η (%)	**18.6**

Power Tolerances ±3 %
Current and Voltage Tolerances ±3 %



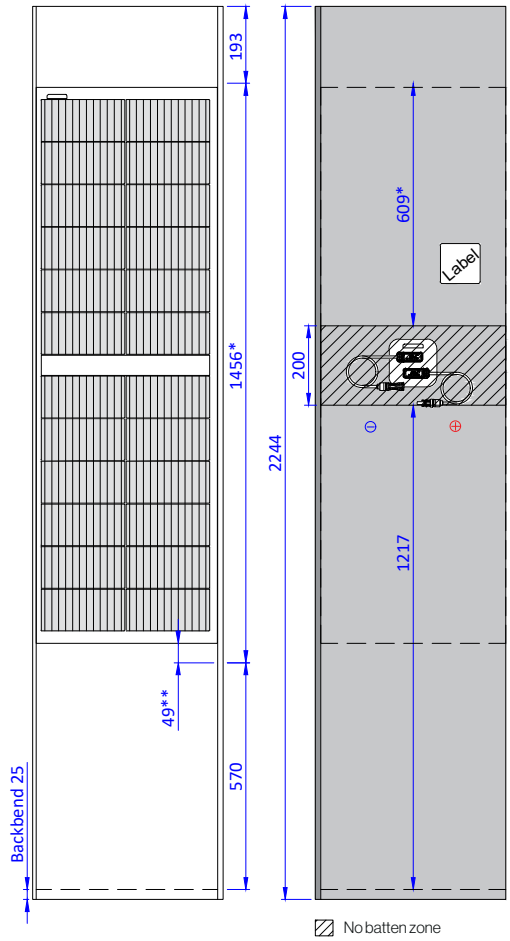
Product dimensions (units in mm)
General tolerance: ±1 mm / ±2°

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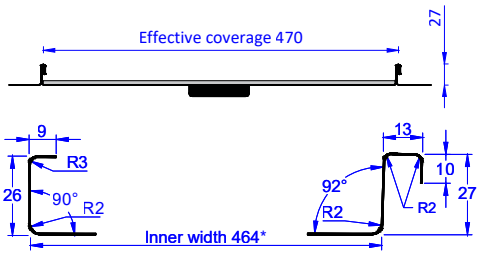
Module name:	**Velario Slim** **AG-2x12/120**
Specification 1:	UM/0.5/MAT/7016/SG
Specification 2:	BT/0.6/MAT/7016/SG

Contact

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No batten zone
* Gap of 10 mm between 2 modules included
** Min. bending clearance from the glass



View from the bottom edge

*measured 3 mm from the bottom

Working Conditions

Maximum System Voltage	1000 V
Ambient Temperature	-40 °C ... +40 °C
Maximum Series Fuse Rating	25 A
Safety Class	Class II
Tested Positive Load	10 000 Pa = 1020 kg/m²
Tested Negative Load	4500 Pa
Impact Resistance	Hailstone up to 25 mm in size
Minimum Roof Slope	10 degrees

Mechanical Specifications

Cells		210 mm monocrystalline TOPCon 2x12 configuration
Encapsulant		POE
Front glass		3.2 mm tempered low-iron glass Gloss level 10 GU
Roofing material		
	Specification 1	0.5 mm steel S250GD 120 g/m2 zinc-magnesium galvanized 35 µm Granite Ultramat RAL 7016 Gloss level <5 GU
	Specification 2	0.6 mm steel DX53D 275 g/m² zinc galvanized 50 µm GreenCoat Pural BT RAL 7016 Gloss level <5 GU
Junction boxes		2 bypass diodes, IP68, potted
Connectors		Stäubli MC4-Evo 2
Cables		4 mm² H1Z2Z2-K solar cable Length 500 mm
Effective roof coverage		2026 mm x 470 mm
Mounting method		Double Seam
Weight		12.0 kg (pc) = 12.6 kg/m² (installed)

Packing

Packing Configuration	40 modules per pallet
Pallet (LxWxH)	2335 x 1105 x 840 mm
Pallet weight	650 kg

Thermal Characteristics

Temperature Coefficient of	P mpp	-0.334 %/K
Temperature Coefficient of	V oc	-0.259%/K
Temperature Coefficient of	I sc	0.049 %/K

Electrical Characteristics

* Standard Test Conditions (irradiance 1000 W/m², cell temperature 25 °C, spectrum AM 1.5)		STC*
Nominal Power	P mpp (W)	**120**
Open Circuit Voltage	Voc (V)	**17.6**
Short Circuit Current	I sc (A)	**8.4**
MPP Voltage	V mpp (V)	**15.2**
MPP Current	I mpp (A)	**7.9**
Module efficiency	η (%)	**18.6**

Power Tolerances ±3 %
Current and Voltage Tolerances ±3 %

