Roofit.Solar

Velario® Slim Colours

- 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
- Photonic Pigment - Consistent Colour at All Angles



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

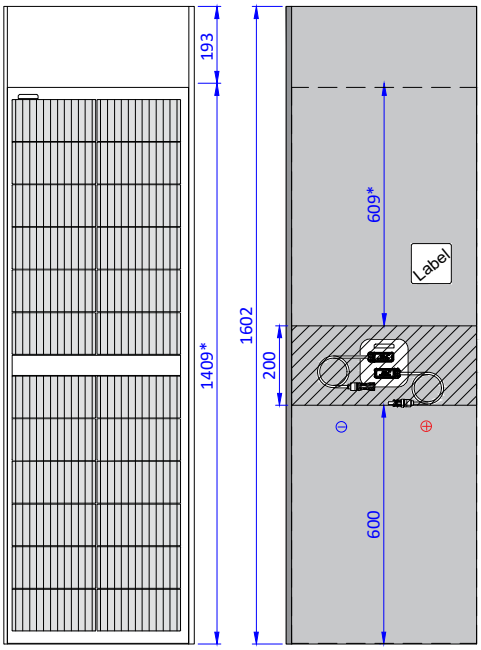
2025 WINNER
EUROPEAN PRODUCT DESIGN AWARD

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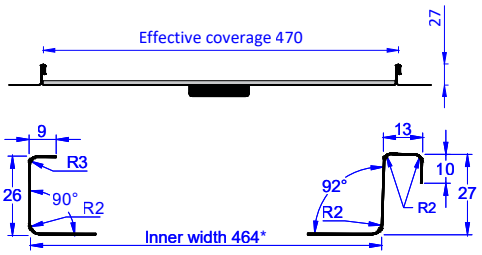
Module name: **Velario Slim Terracotta**
C-2x12/88
Specification: HDX/0.5/GLO/8004

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

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

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	HW4 - hailstone up to 40 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 70 GU
Roofing material	 0.5 mm steel S250GD 275 g/m² zinc galvanized 55 µm Granite HDX RAL 8004 Gloss level 30 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

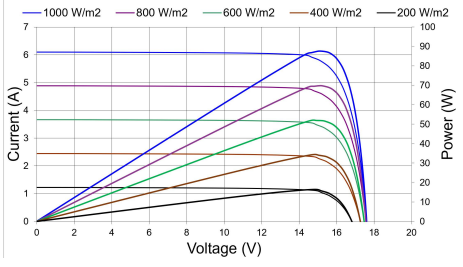
Thermal Characteristics

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

Electrical Characteristics

* Standard Test Conditions (irradiance 1000 W/m², cell temperature 25 °C, spectrum AM 1.5)		STC*
Nominal Power	P mpp (W)	**88**
Open Circuit Voltage	Voc (V)	**17.6**
Short Circuit Current	I sc (A)	**6.1**
MPP Voltage	V mpp (V)	**15.1**
MPP Current	I mpp (A)	**5.8**
Module efficiency	η (%)	**13.6**

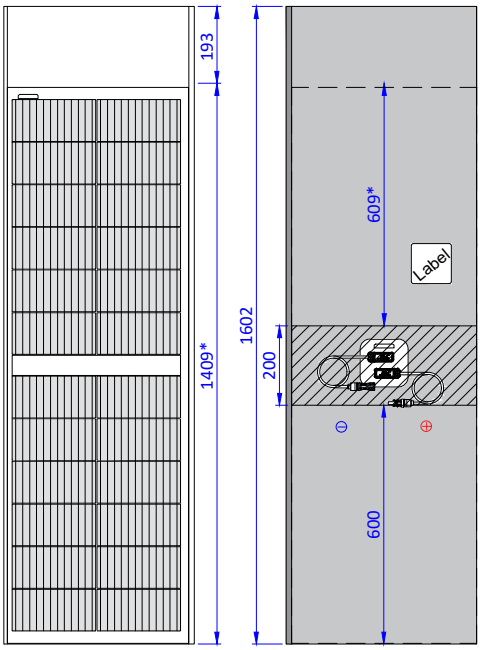
Power Tolerances ±3 %
Current and Voltage Tolerances ±3 %



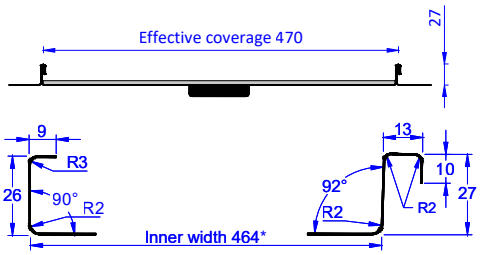
Module name: **Velario Slim Pale Green**
C-2x12/96
Specification: HDX/0.5/GLO/6021

Contact
Roofit Solar Energy OÜ
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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

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	HW4 - hailstone up to 40 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 70 GU
Roofing material	 0.5 mm steel S250GD 275 g/m² zinc galvanized 55 µm Granite HDX RAL 6021 Gloss level 30 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

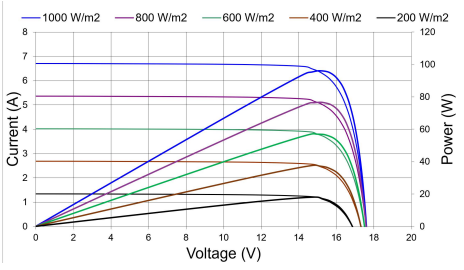
Thermal Characteristics

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

Electrical Characteristics

* Standard Test Conditions (irradiance 1000 W/m², cell temperature 25 °C, spectrum AM 1.5)		STC*
Nominal Power	P mpp (W)	**96**
Open Circuit Voltage	Voc (V)	**17.6**
Short Circuit Current	I sc (A)	**6.7**
MPP Voltage	V mpp (V)	**15.1**
MPP Current	I mpp (A)	**6.36**
Module efficiency	η (%)	**14.8**

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



Module name: **Velario Slim Iron Grey**
C-2x12/114
Specification: HDX/0.5/GLO/7011

Contact

Roofit Solar Energy OÜ
Härgmäe 21, Tallinn 13525, Estonia
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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	HW4 - hailstone up to 40 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 70 GU
Roofing material	 0.5 mm steel S250GD 275 g/m² zinc galvanized 55 µm Granite HDX RAL 7011 Gloss level 30 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)

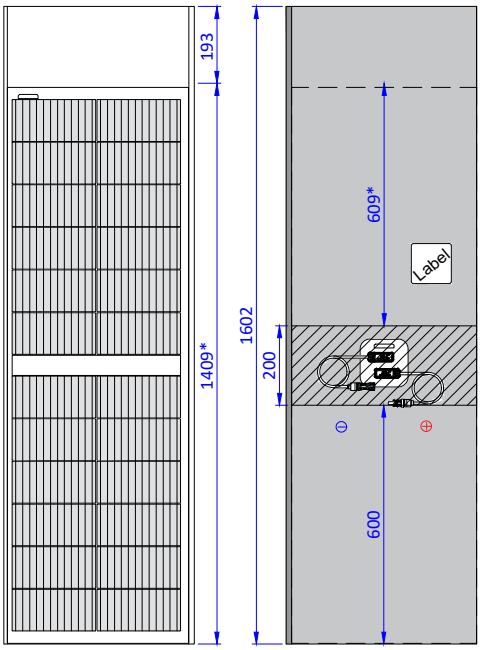
Packing

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

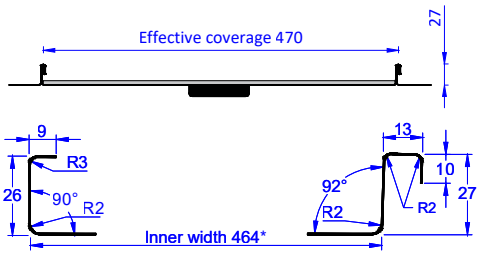
Thermal Characteristics

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)	**114**
Open Circuit Voltage	Voc (V)	**17.6**
Short Circuit Current	I sc (A)	**8.0**
MPP Voltage	V mpp (V)	**15.0**
MPP Current	I mpp (A)	**7.6**
Module efficiency	η (%)	**17.6**

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

