

## Velario<sup>®</sup> Slim Colours

→ Dual-Function: Roof & Photovoltaics  
Designed and Developed in Europe  
Quality assured through third-party testing  
17 kg/m<sup>2</sup> - 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



### Certification

IEC 61215:2021 (PV Module Reliability)

IEC 61730:2023 (PV Module Safety)

EN 13501-5:2016 (Fire safety)

Broof (t1) by GTC

Broof (t2) by Eurofins Expert Services Oy



reddot winner 2025  
sustainable design

2025 WINNER  
EUROPEAN  
PRODUCT  
DESIGN  
AWARD



## Velario Slim Terracotta

Module name: **C-2x12/87**

Specification: HDX/0.5/GLO/8004



### Contact

Roofit Solar Energy OÜ  
Härgmäe 21, Tallinn 13525, Estonia  
<http://roofit.solar>  
[info@roofit.solar](mailto:info@roofit.solar)

### Working Conditions

Maximum System Voltage	1000 V DC
Ambient Temperature	-40 °C ... +40 °C
Maximum Series Fuse Rating	25A
Safety Class	Class II
Tested Positive Load	10 000 Pa = 1020 kg/m <sup>2</sup>
Tested Negative Load	4500 Pa
Impact Resistance	Hailstone up to 25 mm in size
Minimum Roof Slope	10 degrees

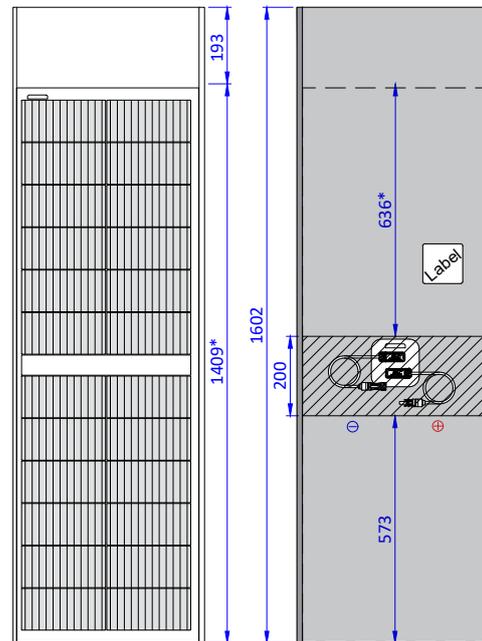
### Mechanical Specifications

Cells	210 mm monocrystalline TOPCon 2x12 configuration
Encapsulant	POE
Front glass	3.2 mm tempered low-iron glass
Roofing material	0.5 mm steel 275 g/m <sup>2</sup> zinc-galvanized 55um Granite HDX, RAL 8004 Gloss level 30 GU
Junction boxes	2 bypass diodes, IP68, potted
Connectors	Stäubli MC4-Evo 2
Cables	4 mm <sup>2</sup> H1Z2Z2-K solar cable length 500 mm
Effective roof coverage	1409 mm x 471 mm
Mounting method	Double Seam
Weight	10.4 kg (pc) = 15.7 kg/m <sup>2</sup> (installed)

### Packing

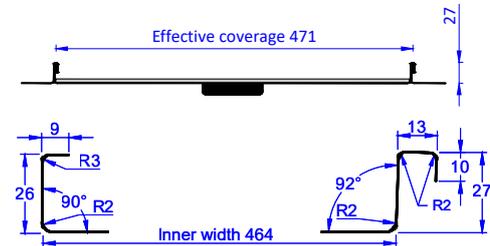
Packing Configuration	40 modules per pallet
Pallet (LxWxH)	1690 x 1105 x 840 mm
Pallet weight	540 kg

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

		STC*
Nominal Power	P <sub>mpp</sub> (W)	<b>87</b>
MPP Voltage	V <sub>mpp</sub> (V)	<b>15.1</b>
MPP Current	I <sub>mpp</sub> (A)	<b>5.8</b>
Open Circuit Voltage	V <sub>OC</sub> (V)	<b>17.5</b>
Short Circuit Current	I <sub>SC</sub> (A)	<b>6.1</b>
Module efficiency	η (%)	<b>13.5</b>

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

### Thermal Characteristics

Temperature Coefficient of	P <sub>mpp</sub>	-0.334 % /K
Temperature Coefficient of	V <sub>OC</sub>	-0.259 % /K
Temperature Coefficient of	I <sub>SC</sub>	0.049 % /K

## Velario Slim Pale Green

Module name: **C-2x12/96**

Specification: HDX/0.5/GLO/6021



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### Working Conditions

Maximum System Voltage	1000 V DC
Ambient Temperature	-40 °C ... +40 °C
Maximum Series Fuse Rating	25A
Safety Class	Class II
Tested Positive Load	10 000 Pa = 1020 kg/m <sup>2</sup>
Tested Negative Load	4500 Pa
Impact Resistance	Hailstone up to 25 mm in size
Minimum Roof Slope	10 degrees

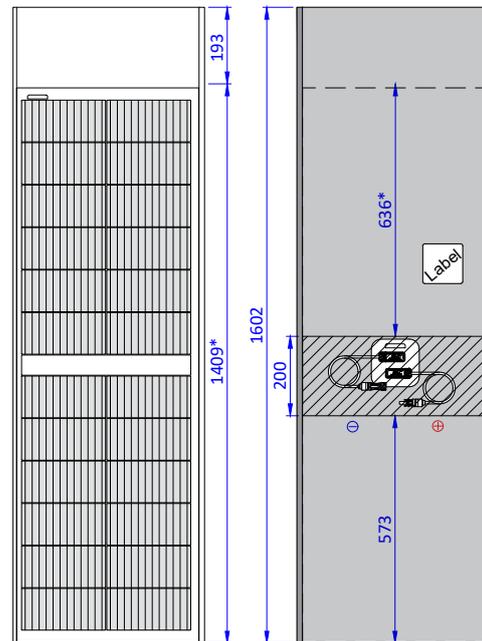
### Mechanical Specifications

Cells	210 mm monocrystalline TOPCon 2x12 configuration
Encapsulant	POE
Front glass	3.2 mm tempered low-iron glass
Roofing material	0.5 mm steel 275 g/m <sup>2</sup> zinc-galvanized 55um Granite HDX, RAL 6021 Gloss level 30 GU
Junction boxes	2 bypass diodes, IP68, potted
Connectors	Stäubli MC4-Evo 2
Cables	4 mm <sup>2</sup> H1Z2Z2-K solar cable length 500 mm
Effective roof coverage	1409 mm x 471 mm
Mounting method	Double Seam
Weight	10.4 kg (pc) = 15.7 kg/m <sup>2</sup> (installed)

### Packing

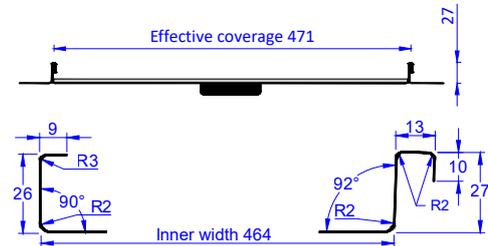
Packing Configuration	40 modules per pallet
Pallet (LxWxH)	1690 x 1105 x 840 mm
Pallet weight	540 kg

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

		STC*
Nominal Power	P <sub>mpp</sub> (W)	<b>96</b>
MPP Voltage	V <sub>mpp</sub> (V)	<b>15.0</b>
MPP Current	I <sub>mpp</sub> (A)	<b>6.4</b>
Open Circuit Voltage	V <sub>oc</sub> (V)	<b>17.6</b>
Short Circuit Current	I <sub>sc</sub> (A)	<b>6.6</b>
Module efficiency	η (%)	<b>14.8</b>

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

### Thermal Characteristics

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

## Velario Slim Iron Gray

Module name: **C-2x12/114**

Specification: HDX/0.5/GLO/7011



### Contact

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Härgmäe 21, Tallinn 13525, Estonia  
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[info@roofit.solar](mailto:info@roofit.solar)

### Working Conditions

Maximum System Voltage	1000 VDC
Ambient Temperature	-40 °C... +40 °C
Maximum Series Fuse Rating	25A
Safety Class	Class II
Tested Positive Load	10 000 Pa = 1020 kg/m <sup>2</sup>
Tested Negative Load	4500 Pa
Impact Resistance	Hailstone up to 25 mm in size
Minimum Roof Slope	10 degrees

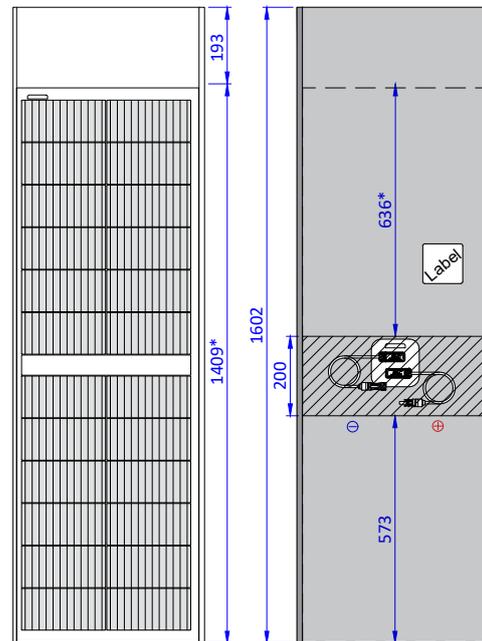
### Mechanical Specifications

Cells	210 mm monocrystalline TOPCon 2x12 configuration
Encapsulant	POE
Front glass	3.2 mm tempered low-iron glass
Roofing material	0.5 mm steel 275 g/m <sup>2</sup> zinc-galvanized 55µm Granite HDX, RAL 7011 Gloss level 30 GU
Junction boxes	2 bypass diodes, IP68, potted
Connectors	Stäubli MC4-Evo 2
Cables	4 mm <sup>2</sup> H1Z2Z2-K solar cable length 500 mm
Effective roof coverage	1409 mm x 471 mm
Mounting method	Double Seam
Weight	10.4 kg (pc) = 15.7 kg/m <sup>2</sup> (installed)

### Packing

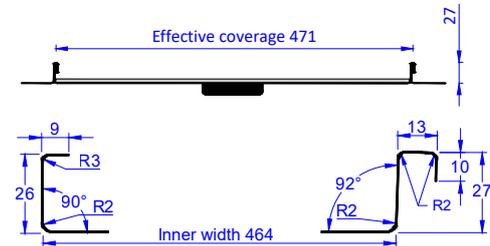
Packing Configuration	40 modules per pallet
Pallet (LxWxH)	1690 x 1105 x 840 mm
Pallet weight	540 kg

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

		STC*
Nominal Power	P <sub>mpp</sub> (W)	<b>114</b>
MPP Voltage	V <sub>mpp</sub> (V)	<b>15.0</b>
MPP Current	I <sub>mpp</sub> (A)	<b>7.6</b>
Open Circuit Voltage	V <sub>oc</sub> (V)	<b>17.6</b>
Short Circuit Current	I <sub>sc</sub> (A)	<b>8.0</b>
Module efficiency	η (%)	<b>17.6</b>

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

### Thermal Characteristics

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