

Velario® Slim Colours



Dual-Function: Roof & Photovoltaics
Designed and Developed in Europe
Quality assured through third-party testing
17 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



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-2x12/90**

Specification: HDX/0.5/GLO/8004



Contact

Roofit Solar Energy OÜ
Härgmäe 21, Tallinn 13525, Estonia
<http://roofit.solar>
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	6000 Pa = 610 kg/m ²
Tested Negative Load	2400 Pa
Impact Resistance	Hailstone up to 25 mm in size
Minimum Roof Slope	10 degrees

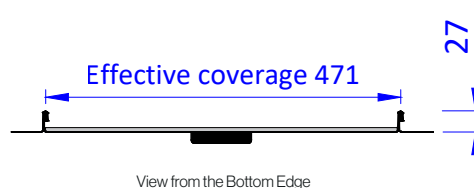
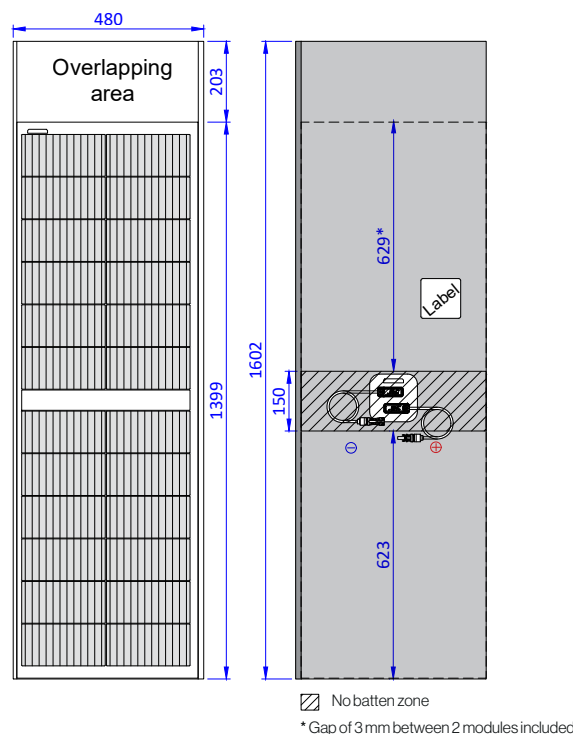
Mechanical Specifications

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 ² 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 ² H1Z2Z2-K solar cable length 500 mm
Effective roof coverage	1402 mm x 471 mm
Mounting method	Double Seam
Weight	11.3 kg (pc) = 17.0 kg/m ² (installed)

Packing

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

Engineering Drawings (units mm)



Electrical Characteristics

Standard Test Conditions (irradiance 1000 W/m ² , cell temperature 25 °C, spectrum AM1.5)		STC
Nominal Power	P _{mpp} (W)	90
MPP Voltage	V _{mpp} (V)	15.0
MPP Current	I _{mpp} (A)	6.0
Open Circuit Voltage	V _{oc} (V)	17.6
Short Circuit Current	I _{sc} (A)	6.4
Module efficiency	η (%)	13.9

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

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

Velario Slim Pale Green

Module name: **C-2x12/100**

Specification: GIX/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	6000 Pa = 610 kg/m ²
Tested Negative Load	2400 Pa
Impact Resistance	Hailstone up to 25 mm in size
Minimum Roof Slope	10 degrees

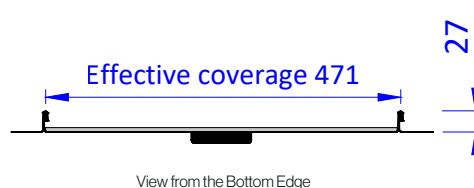
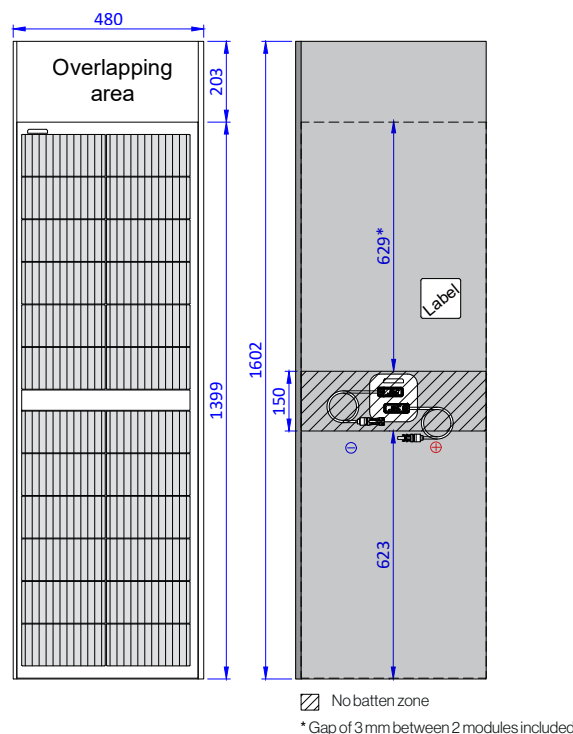
Mechanical Specifications

Cells	210 mm monocrystalline TOPCon 2x12 configuration
Encapsulant	POE
Front glass	3.2 mm tempered low-iron glass
Roofing material	0.5 mm steel 140 g/m ² zinc-magnesium galvanized 50um PU, RAL 6021 Gloss level 45 GU
Junction boxes	2 bypass diodes, IP68, potted
Connectors	Stäubli MC4-Evo 2
Cables	4 mm ² H1Z2Z2-K solar cable length 500 mm
Effective roof coverage	1402 mm x 471 mm
Mounting method	Double Seam
Weight	11.3 kg (pc) = 17.0 kg/m ² (installed)

Packing

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

Engineering Drawings (units mm)



Electrical Characteristics

Standard Test Conditions (irradiance 1000 W/m ² , cell temperature 25 °C, spectrum AM1.5)		STC
Nominal Power	P _{mpp} (W)	100
MPP Voltage	V _{mpp} (V)	15.0
MPP Current	I _{mpp} (A)	6.7
Open Circuit Voltage	V _{oc} (V)	17.6
Short Circuit Current	I _{sc} (A)	7.2
Module efficiency	η (%)	15.5

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

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

Velario Slim Iron Gray

Module name: **C-2x12/115**

Specification: GIX/0.6/GLO/7011



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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	6000 Pa = 610 kg/m ²
Tested Negative Load	2400 Pa
Impact Resistance	Hailstone up to 25 mm in size
Minimum Roof Slope	10 degrees

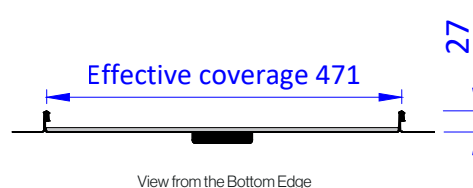
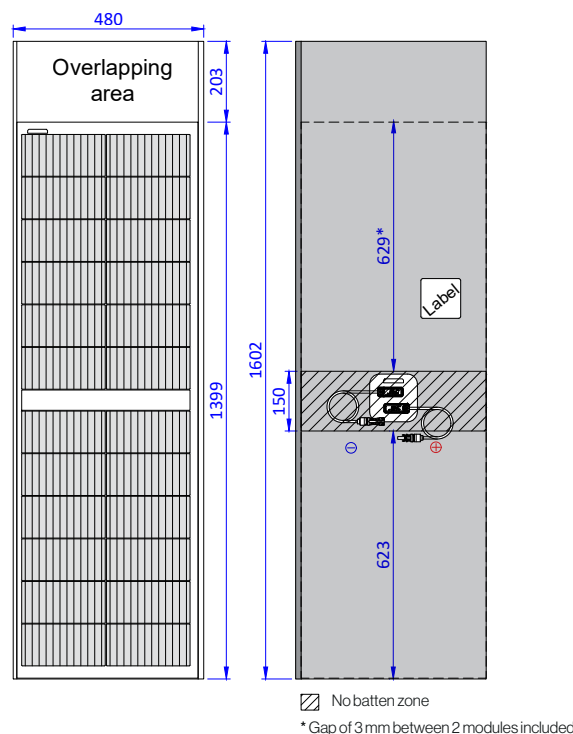
Mechanical Specifications

Cells	210 mm monocrystalline TOPCon 2x12 configuration
Encapsulant	POE
Front glass	3.2 mm tempered low-iron glass
Roofing material	0.6 mm steel 140 g/m ² zinc-magnesium galvanized 50um PU, RAL 7011 Gloss level 45 GU
Junction boxes	2 bypass diodes, IP68, potted
Connectors	Stäubli MC4-Evo 2
Cables	4 mm ² H1Z2Z2-K solar cable length 500 mm
Effective roof coverage	1402 mm x 471 mm
Mounting method	Double Seam
Weight	11.3 kg (pc) = 17.0 kg/m ² (installed)

Packing

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

Engineering Drawings (units mm)



Electrical Characteristics

Standard Test Conditions (irradiance 1000 W/m ² , cell temperature 25 °C, spectrum AM1.5)		STC
Nominal Power	P _{mpp} (W)	115
MPP Voltage	V _{mpp} (V)	15.0
MPP Current	I _{mpp} (A)	7.7
Open Circuit Voltage	V _{oc} (V)	17.6
Short Circuit Current	I _{sc} (A)	8.0
Module efficiency	η (%)	17.8

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

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