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IEC 61215: 280/N03DNK

IEC 61730280/N6C0

2T0/EV0C007-OTM0

2T0/E00V007-OTM0

EN13501-5K00

30%

30/VT00000

Module name:
Specification 1:
Specification 2:

Velario Slim
T-2x18/180
CP/0.5/GLO/9005
HDX/0.5/GLO/9005

Contact

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

Working Conditions

Maximum System Voltage	1000 V
Ambient Temperature	-40 °C ... +40 °C
Maximum Series Fuse Rating	25A
Safety Class	Class II
Tested Positive Load	10 000 Pa = 1020 kg/m ²
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 2x18 configuration
Encapsulant	POE
Front glass	3.2 mm tempered low-iron glass
Roofing material	
Specification 1	0.5 mm steel S280GD 255 g/m ² zinc-aluminium galvanized 65 µm Colorcoat Prisma RAL 9005 Gloss level 40 GU
Specification 2	0.5 mm steel HX220YD 275 g/m ² zinc galvanized 55 µm Granite HDX RAL 9005 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	2051 mm x 471 mm
Mounting method	Double Seam
Weight	16.5 kg (pc) = 17.0 kg/m ² (installed)

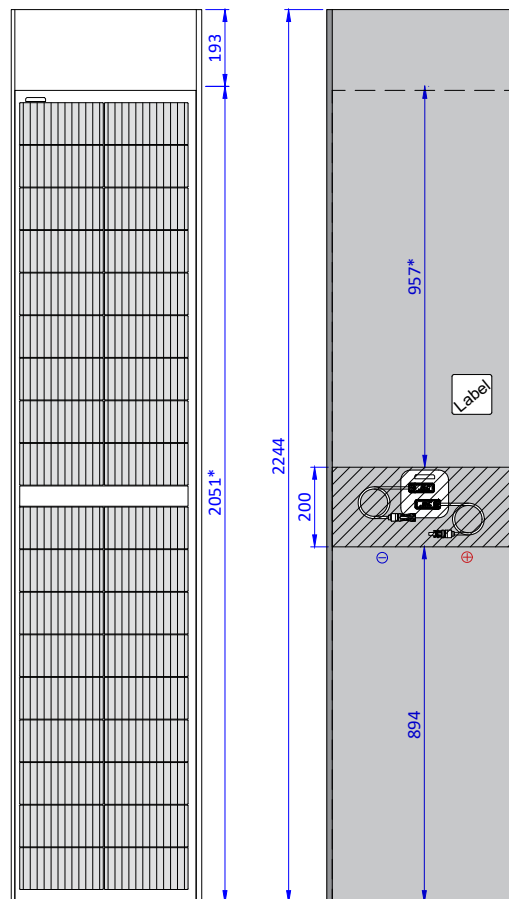
Packing

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

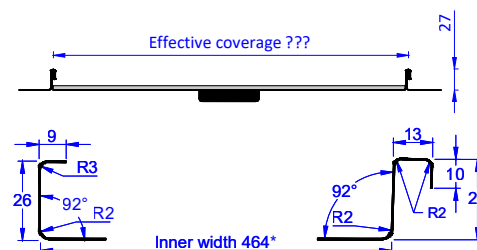
Thermal

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



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



View from the bottom edge

*measured 3 mm from the bottom

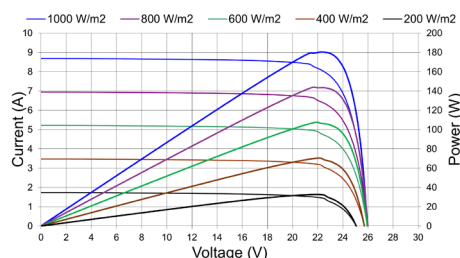
Electrical

Characteristics

		STC*
Nominal Power	P _{mpp} (W)	180
MPP Voltage	V _{mpp} (V)	22.8
MPP Current	I _{mpp} (A)	7.9
Open Circuit Voltage	V _{oc} (V)	26.5
Short Circuit Current	I _{sc} (A)	8.4
Module efficiency	η (%)	19.1

Power Tolerances $\pm 3\%$

Current and Voltage Tolerances $\pm 3\%$



Module name: **Velario Slim**
T-2x12/120
 Specification 1: CP/0.5/GLO/9005
 Specification 2: HDX/0.5/GLO/9005

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

Contact
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Working Conditions

Maximum System Voltage	1000 V
Ambient Temperature	-40 °C ... +40 °C
Maximum Series Fuse Rating	25A
Safety Class	Class II
Tested Positive Load	10 000 Pa = 1020 kg/m ²
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
Roofing material	
Specification 1	0.5 mm steel S280GD 255 g/m ² zinc-aluminium galvanized 65 µm Colorcoat Prisma RAL 9005 Gloss level 40 GU
Specification 2	0.5 mm steel HX220YD 275 g/m ² zinc galvanized 55 µm Granite HDX RAL 9005 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	1409 mm x 471 mm
Mounting method	Double Seam
Weight	10.4 kg (pc) = 15.7 kg/m ² (installed)

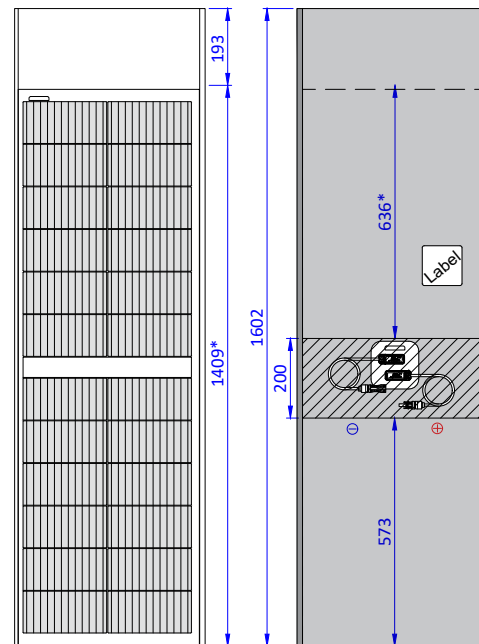
Packing

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

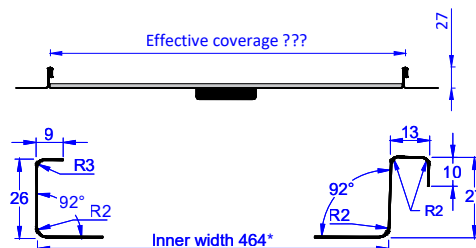
Thermal

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



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

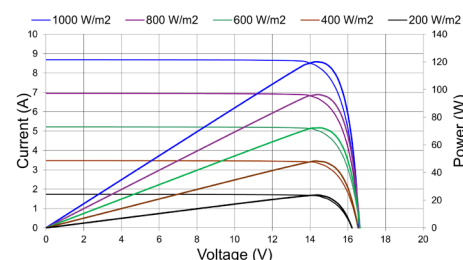


View from the bottom edge *measured 3mm from the bottom

Electrical Characteristics

		STC*
Nominal Power	P _{mpp} (W)	120
MPP Voltage	V _{mpp} (V)	15.2
MPP Current	I _{mpp} (A)	7.9
Open Circuit Voltage	V _{oc} (V)	17.6
Short Circuit Current	I _{sc} (A)	8.4
Module efficiency	η (%)	18.6

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



Module name:
Specification 1:
Specification 2:

Velario Slim SG
T-2x12/120
CP/0.5/GLO/9005/SG
HDX/0.5/GLO/9005/SG

Contact

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Workingl

Conditions

Maximum System Voltage	1000 V
Ambient Temperature	-40 °C ... +40 °C
Maximum Series Fuse Rating	25A
Safety Class	Class II
Tested Positive Load	10 000 Pa = 1020 kg/m ²
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
Roofing material	
Specification 1	0.5 mm steel S280GD 255 g/m ² zinc-aluminium galvanized 65 µm Colorcoat Prisma RAL 9005 Gloss level 40 GU
Specification 2	0.5 mm steel HX220YD 275 g/m ² zinc galvanized 55 µm Granite HDX RAL 9005 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	2026 mm x 471 mm
Mounting method	Double Seam
Weight	13.5 kg (pc) = 14.2 kg/m ² (installed)

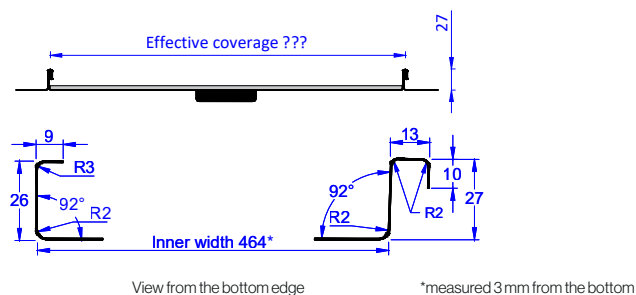
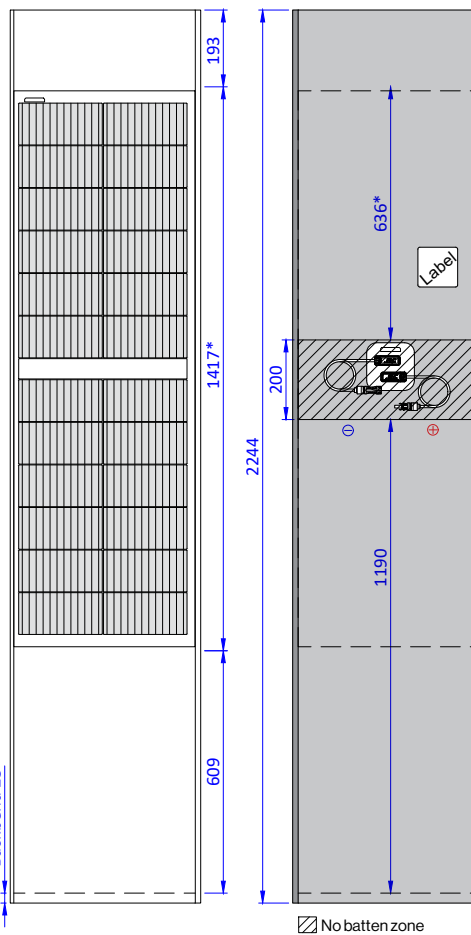
Packing

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

		STC*
Nominal Power	P _{mpp} (W)	120
MPP Voltage	V _{mpp} (V)	15.2
MPP Current	I _{mpp} (A)	7.9
Open Circuit Voltage	V _{oc} (V)	17.6
Short Circuit Current	I _{sc} (A)	8.4
Module efficiency	η (%)	18.6

Power Tolerances $\pm 3\%$
Current and Voltage Tolerances $\pm 3\%$

