Roofit.Solar

NuClick 2.0

- Dual-Function: Roof & Photovoltaics
- Designed and Developed in Europe
- Quality assured though third-party testing
- 17 kg/m² - 30% less than common system
- Engineered for High Snow Load
- Tier 1 TOPCon cells
- Click-Seam: Fast Installation, Trusted for Over 25 Years

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

reddot winner 2025
sustainable design

2025 WINNER
EUROPEAN PRODUCT DESIGN AWARD

GTC eurofins MCS CERTIFIED TÜV SÜD CE

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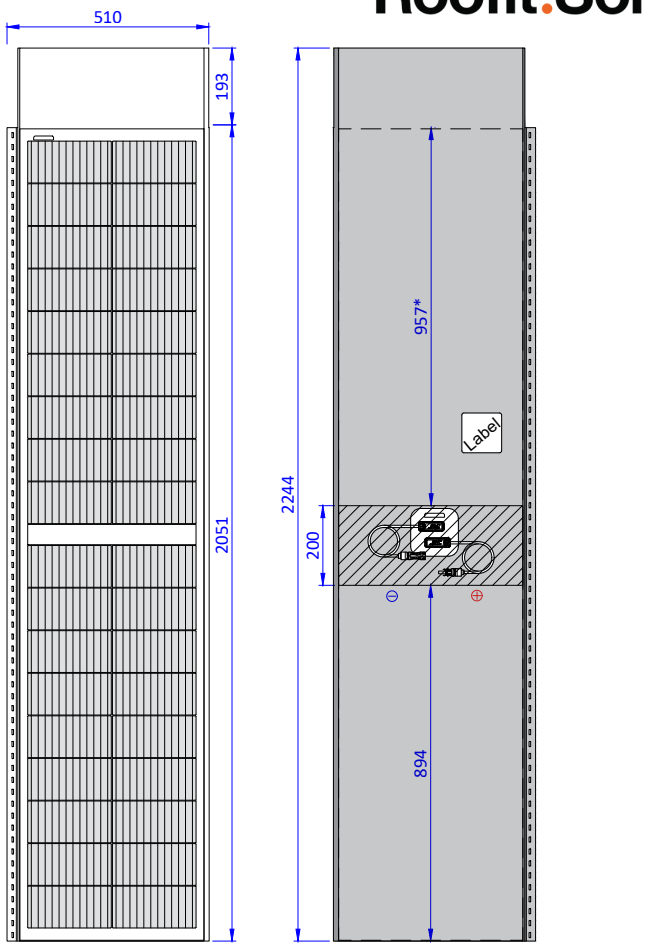
Module name: **NuClick 2.0 T-2x18/180**

Specification 1: BT/0.6/MAT/9005

Contact

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

Engineering Drawings (units in mm)



Working Conditions

Maximum System Voltage	1000 V
AmbientTemperature	-40 °C ... +40 °C
Maximum Series Fuse Rating	25A
Safety Class	Class II
Tested Positive Load	10 000 Pa = 1020 kg/m²
Tested Negative Load	2400 Pa
Impact Resistance	HW3 - hailstone up to 30 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	0.6 mm steel S280GD 275 g/m² zinc galvanized 50 µm Greencoat Pural BT RR33 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 471 mm
Mounting method	Ruukki Classic
Weight	16.5 kg (pc) = 17.0 kg/m² (installed)

Packing

Packing Configuration	34 modules per pallet
Pallet (LxWxH)	2335 x 1105 x 840 mm
Pallet weight	670 kg

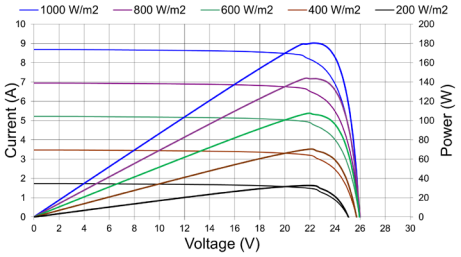
Thermal Characteristics

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 AM1.5)		STC*
Nominal Power	P mpp (W)	**180**
MPP Voltage	V mpp (V)	**22.8**
MPP Current	I mpp (A)	**7.9**
Open Circuit Voltage	Voc (V)	**26.5**
Short Circuit Current	I sc (A)	**8.4**
Module efficiency	η (%)	**19.1**

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



Module name: **NuClick 2.0**
T-2x12/120
Specification 1: BT/0.6/MAT/9005

Contact
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Workingl Conditions

Maximum System Voltage	1000 V
AmbientTemperature	-40 °C ... +40 °C
Maximum Series Fuse Rating	25A
Safety Class	Class II
Tested Positive Load	10 000 Pa = 1020 kg/m²
Tested Negative Load	2400 Pa
Impact Resistance	HW3 - hailstone up to 30 mm in size
Minimum Roof Slope	10 degrees

Mechanical Specifications

Cells	210 mm monocrytalline TOPCon 2x12 configuration
Encapsulant	POE
Front glass	3.2 mm tempered low-iron glass
Roofing material Specification 1	0.6 mm steel S280GD 275 g/m² zinc galvanized 50 µm Greencoat Pural BT RR33 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 471 mm
Mounting method	Ruukki Classic
Weight	11.3 kg (pc) = 17.0 kg/m² (installed)

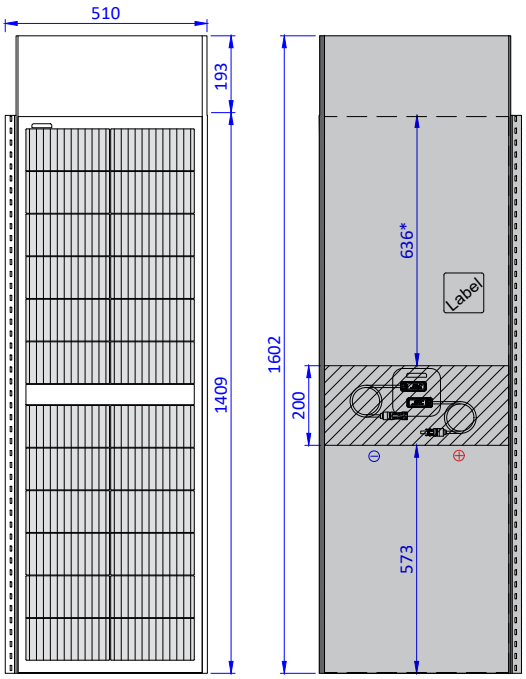
Packing

Packing Configuration	34 modules per pallet
Pallet (LxWxH)	1690 x 1105 x 840 mm
Pallet weight	475 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

Engineering Drawings (units in mm)



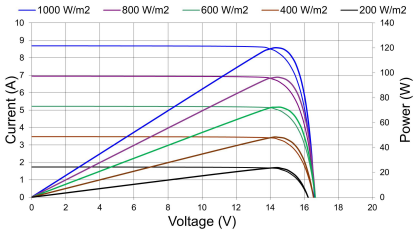
No batten zone
*Gap of 10mm between 2 modules included

View from the Bottom Edge

Electrical Characteristics

* Standard Test Conditions (irradiance 1000 W/m², cell temperature 25 °C, spectrum AM1.5)		STC*
Nominal Power	P mpp (W)	**120**
MPP Voltage	V mpp (V)	**15.2**
MPP Current	I mpp (A)	**7.9**
Open Circuit Voltage	Voc (V)	**17.6**
Short Circuit Current	I sc (A)	**8.4**
Module efficiency	η (%)	**18.6**

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



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Module name: **NuClick 2.0 SG**
T-2x12/120
Specification 1: BT/0.6/MAT/9005/SG

Contact

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

Maximum System Voltage	1000 V
AmbientTemperature	-40 °C ... +40 °C
Maximum Series Fuse Rating	25A
Safety Class	Class II
Tested Positive Load	10 000 Pa = 1020 kg/m²
Tested Negative Load	2400 Pa
Impact Resistance	HW3 - hailstone up to 30 mm in size
Minimum Roof Slope	10 degrees

Mechanical Specifications

Cells	210 mm monocrytalline TOPCon 2x12 configuration
Encapsulant	POE
Front glass	3.2 mm tempered low-iron glass
Roofing material Specification 1	0.6 mm steel S280GD 275 g/m² zinc galvanized 50 µm Greencoat Pural BT RR33 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 471 mm
Mounting method	Ruukki Classic
Weight	13.5 kg (pc) = 14.2 kg/m² (installed)

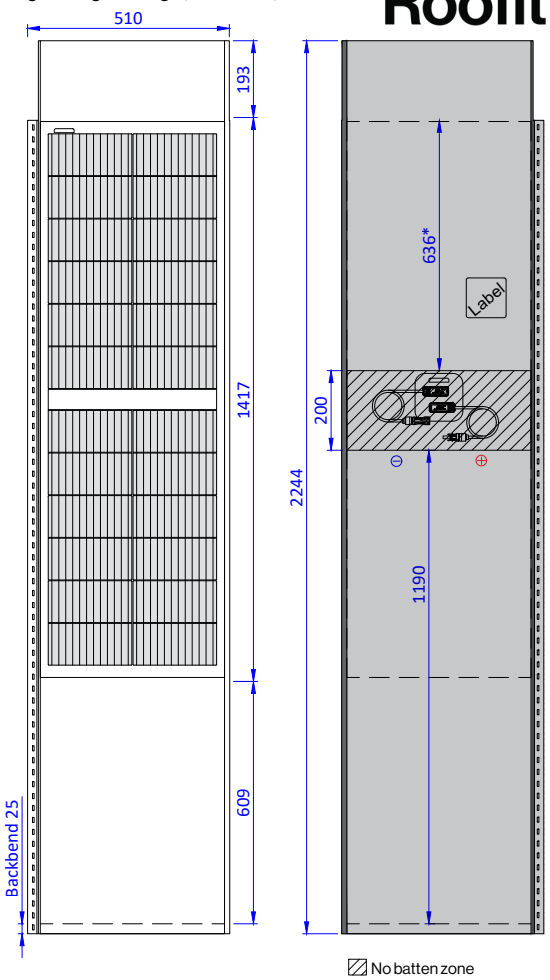
Packing

Packing Configuration	34 modules per pallet
Pallet (LxWxH)	2335 x 1105 x 840 mm
Pallet weight	570 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

Engineering Drawings (units in mm)



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

View from the Bottom Edge

Electrical Characteristics

* Standard Test Conditions (irradiance 1000 W/m², cell temperature 25 °C, spectrum AM1.5)		STC*
Nominal Power	P mpp (W)	**120**
MPP Voltage	V mpp (V)	**15.2**
MPP Current	I mpp (A)	**7.9**
Open Circuit Voltage	Voc (V)	**17.6**
Short Circuit Current	I sc (A)	**8.4**
Module efficiency	η (%)	**18.6**

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