

Roofit.Solar

NuClick 2.0

T-2x12/120

BT/0.6/MAT/9005

Extremely Weatherproof

Our solar roof is equipped to withstand any weather condition, including snow, ice, hail, and wind.

2-in-1 solution

Combining roof and solar panel into one product (2-in-1) reduces material and labor costs for both manufacturing and installation.

Built to last

Premium quality materials and a strong metal backsheet.

Warranty

25-year power warranty and 10-year product warranty.

Ideal for Sloped Roofs

Ideal photovoltaic solution for sloped roofs with minimum pitch of 10°.

Designed in Europe.

We commit to the highest quality and European standards in the production and installation of our solar roofs.

Easy to Install

Click-on seaming makes the installation process easier and faster.

Timeless design

Accepted by authorities for protected and heritage buildings.



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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 | 0.6 mm steel 275 g/m ² 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 mm ² H1Z2Z2-K solar cable length 500 mm |
| Effective roof coverage | 1402 mm x 475 mm |
| Mounting method | Ruukki Classic |
| Weight | 11.3 kg (pc) = 17.0 kg/m ² (installed) |

Packing

| | |
|-----------------------|-----------------------|
| Packing Configuration | 32 modules per pallet |
| Pallet (LxWxH) | 1682 x 1130 x 755 mm |
| Pallet weight | 450 kg |

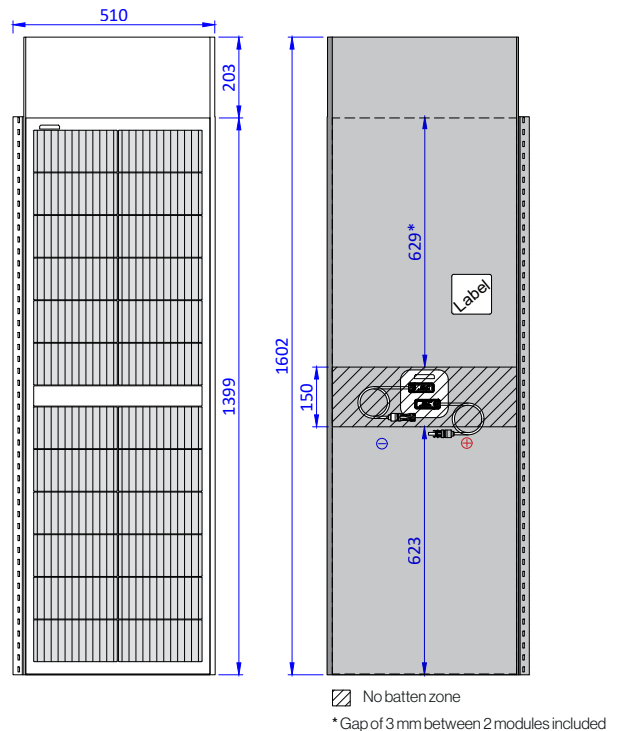
Certification

IEC 61215-1:2021 (PV Module Reliability)
IEC 61730-1:2023 (PV Module Safety)
EN 13501-5:2016 (Fire safety)
 Broof (t1) by GTC
 Broof (t2) by Eurofins Expert Services Oy



CAUTION: PLEASE READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.
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Engineering Drawings (units mm)

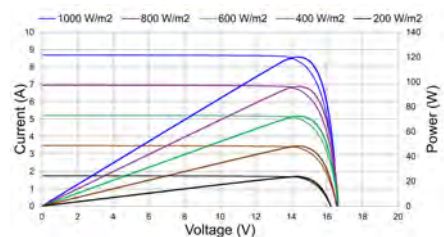


Electrical Characteristics

*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 | 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 $\pm 3\%$



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 |