

# Roofit.Solar

# NuClick 2.0

## T-2x18/180

## 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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## 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 <sup>2</sup>
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 2x18 configuration
Encapsulant	POE
Front glass	3.2 mm tempered low-iron glass
Roofing material	0.6 mm steel 275 g/m <sup>2</sup> 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 <sup>2</sup> H1Z2Z2-K solar cable length 500 mm
Effective roof coverage	2044 mm x 475 mm
Mounting method	Ruukki Classic
Weight	16.5 kg (pc) = 17.0 kg/m <sup>2</sup> (installed)

## Packing

Packing Configuration	32 modules per pallet
Pallet (LxWxH)	2324 x 1130 x 755mm
Pallet weight	630 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

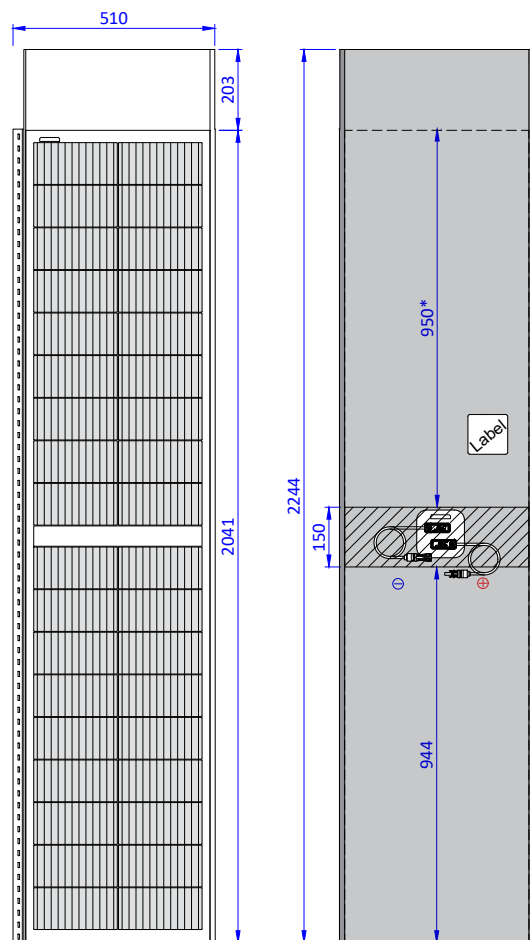
Broof (t2) by Eurofins Expert Services Oy



Expert Services

CAUTION: PLEASE READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

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▨ No batten zone

\* Gap of 3 mm between 2 modules included

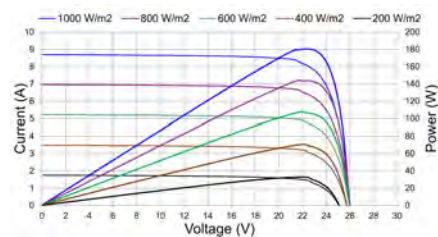


## Electrical Characteristics

\* Standard Test Conditions (irradiance 1000 W/m<sup>2</sup>, cell temperature 25 °C, spectrum AM1.5)

		STC*
Nominal Power	P <sub>mpp</sub> (W)	<b>180</b>
MPP Voltage	V <sub>mpp</sub> (V)	<b>22.8</b>
MPP Current	I <sub>mpp</sub> (A)	<b>7.9</b>
Open Circuit Voltage	V <sub>OC</sub> (V)	<b>26.5</b>
Short Circuit Current	I <sub>SC</sub> (A)	<b>8.4</b>
Module efficiency	η (%)	<b>19.1</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