

Roofit.Solar

NuClick

110/2x12/001

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°.

Dreamed in Europe. Made 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.



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

**Working
Conditions**

Maximum System Voltage	1500 V DC
Operating Temperature	-40 °C ... +85 °C
Maximum Series Fuse Rating	25A
Safety Class	Class II
Tested Positive Load	6000 Pa = 610 kg/m²
Tested Negative Load	2400 Pa
Impact Resistance	Hailstone up to 25mm in size
Minimum Ventilation Below	50 mm
Minimum Roof Slope	10 degrees

**Mechanical
Specifications**

Cells	210 mm monocrystalline PERC 2x12 configuration
Front glass	3.2 mm tempered low-iron glass
Back sheet	0.6 mm S280GD+Z275 with RR33 GreenCoat Pural BT matt coating
Encapsulant	POE
Junction boxes	2 bypass diodes, IP68, potted
Connectors	Stäubli MC4-Evo 2
Cabels	4 mm² H1Z2Z2-K solar cabel lenght 500 mm
Effective roof coverage	1402 mm x 475 mm
Mounting method	Ruukki Classic
Weight	11.3 kg (pc) = 17.0 kg/m² (installed)

Packing

Pacaking Configuration	32 modules per pallet
Pallet (LxWxH)	1800 x 1130 x 780mm

Certification

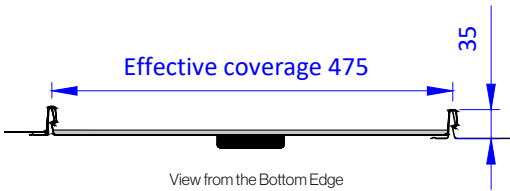
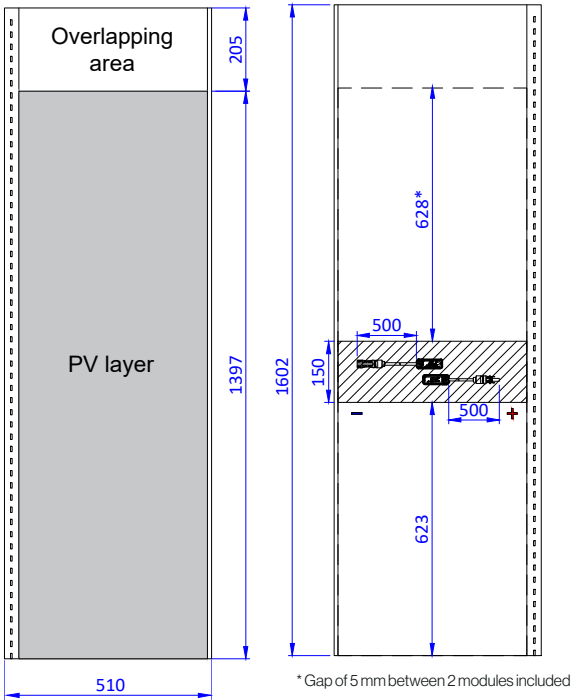
Designed to meet the requirements of following standards:
IEC 61215-1:2021 (PV Module Reliability)
IEC 61730-1:2016 (PV Module Safety)
EN 13501-5:2016

Broof (t1) by GTC
Broof (t2) by Eurofins Expert Services Oy



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

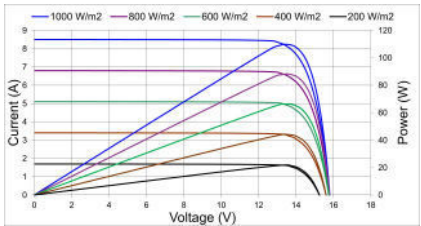
Engineering Drawings (units mm)



**Electrical
Characteristics**

Standard Test Conditions (irradiance 1000 W/m², cell temperature 25 °C, spectrum AM1.5)		STC
Nominal Power	P _{mpp} (W)	110
MPP Voltage	V _{mpp} (V)	13.4
MPP Current	I _{mpp} (A)	8.2
Open Circuit Voltage	V _{oc} (V)	16.2
Short Circuit Current	I _{sc} (A)	8.5
Module efficiency	η (%)	16.5

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



**Thermal
Characteristics**

Temperature Coefficient of	P _{mpp}	-0.42 %/K
Temperature Coefficient of	V _{oc}	-0.32 %/K
Temperature Coefficient of	I _{sc}	0.04 %/K