

Roofit.Solar

Click Solar Roof Modules

4x12/235W/RR33/B/RC

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.



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Working Conditions

Maximum System Voltage	1000 VDC
Operating Temperature	-40 °C ... +85 °C
Maximum Series Fuse Rating	15 A

Thermal Characteristics

Temperature Coefficient of P_{mpp}	γ	-0.39 % /K
Temperature Coefficient of V_{oc}	β	-0.3% /K
Temperature Coefficient of I_{sc}	α	0.06 % /K

Electrical Characteristics

		STC ¹	LIC ²
Nominal Power	P_{mpp} (W)	235	46
MPP Voltage	V_{mpp} (V)	26.5	27.2
MPP Current	I_{mpp} (A)	8.9	1.7
Open Circuit Voltage	V_{oc} (V)	32.4	30.7
Short Circuit Current	I_{sc} (A)	9.3	1.87

Current and voltage tolerances ±3%
 Power Tolerance ±3%

¹ Standard Test Conditions (irradiance 1000 W/m², cell temperature 25 °C, spectrum AM1.5)
² Low Irradiance Conditions (irradiance 200 W/m², cell temperature 25 °C, spectrum AM1.5)

Certification

IEC 61215-1:2021 (PV Module Reliability)

IEC 61730-1:2016 (PV Module Safety)

EN 13501-5:2016 (Fire safety)

Broof (t1) by GTC

Broof (t2) by Eurofins Expert Services Oy

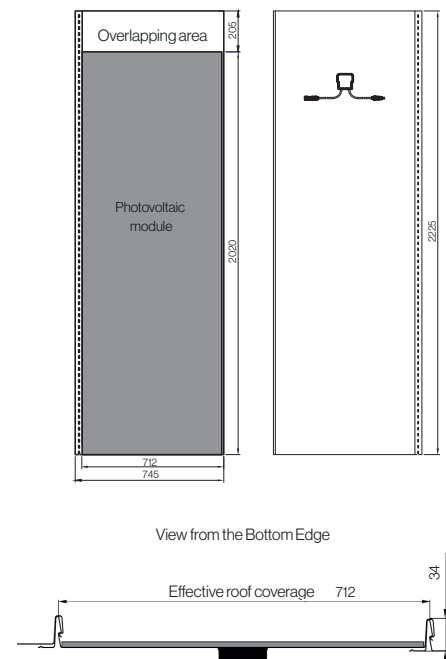


CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

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Engineering Drawings (units mm)



Mechanical Specifications

Cells	4 x 12 mono PERC
Junction boxes	Two bypass diodes protection class IP68 MC4 EVO2 connectors
Effective roof coverage	2023 mm x 712 mm
Mounting method	Click (Ruukki Classic C)
Weight	24.0 kg (pc) = 17.0 kg/m ² (installed)
Front glass	3.2 mm tempered low-iron glass
Back sheet	0.5 mm metal sheet with highly durable Pural coating
Impact resistance	d = 25 mm hailstone
Minimum roof slope	10 degrees
Minimum ventilation below	50 mm