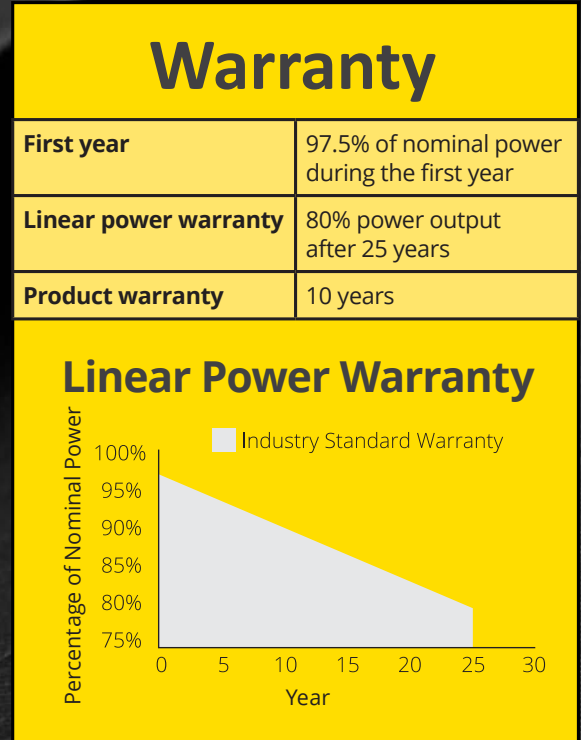


Roofit 4x8/155W/RR33/B/RC

Building integrated photovoltaic module

-  High mechanical load resistance because of metal back sheet
-  Snail trail free structure
-  $\pm 3\%$ $\pm 3\%$ power tolerance
-  Superior linear power warranty
Maximum 0.8% degradation per year
-  Made in the EU
-  Outstanding low light performance
-  Roofing material and photovoltaic module
2in1
-  Suitable for historic buildings
-  Ideal photovoltaic solution for sloped roofs



Mechanical Specifications

Cells	4 x 8 mono PERC
Junction boxes	Two bypass diodes protection class IP68 MC4 EVO2 connections
Effective roof coverage	1377 x 712mm
Mounting method	Click Seam technology
Weight	16.5 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 = 35 mm hailstone 46 m/s = 165.5 km/h
Minimum roof slope	10 degrees
Minimum ventilation gap	50 mm



Working Conditions

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

Electrical Characteristics

Performance at STC

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

Nominal Power	P_{mpp} (W)	155
Power Tolerance		± 3%
MPP Voltage	V_{max} (V)	17.6
MPP Current	I_{max} (A)	8.8
Open Circuit Voltage	V_{oc} (V)	21.6
Short Circuit Current	I_{sc} (A)	9.2

Performance at LIC

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

Power	P_{mpp} (W)	31
MPP Voltage	V_{max} (V)	18.2
MPP Current	I_{max} (A)	1.7
Open Circuit Voltage	V_{oc} (V)	20.5
Short Circuit Current	I_{sc} (A)	1.86

Current and voltage tolerances ± 3%

Thermal Characteristics

Normal Operating Cell Temperature	NOCT	46 ± 2°C
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

Roofit.solar modules are being tested according to the following PV standards:

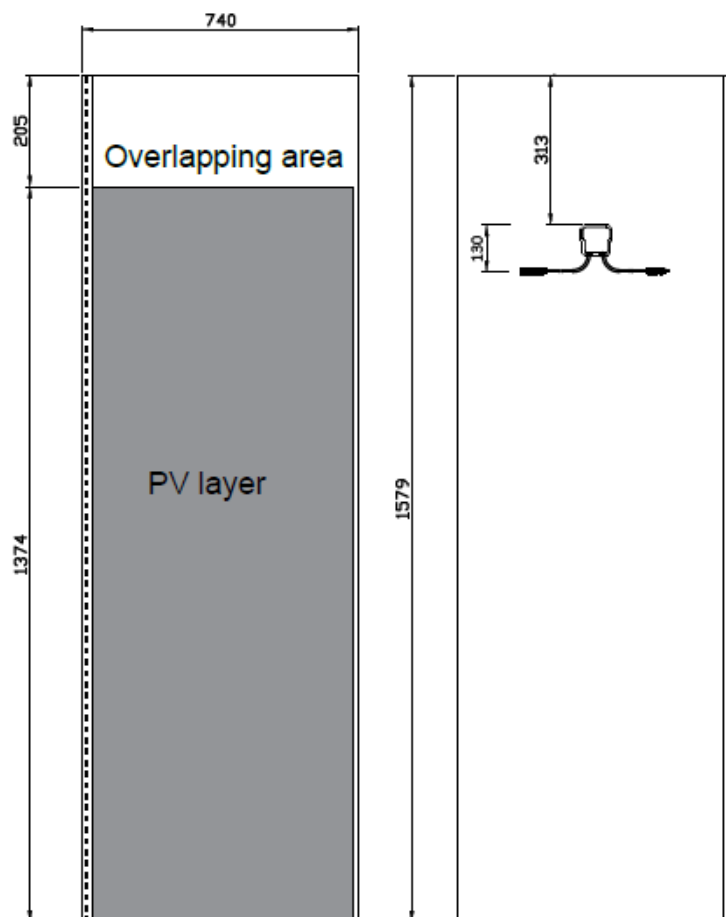
- IEC 61215-1:2021/IEC 61215-1-1:2021/IEC 61215-2:2021
IEC 61730-1:2016/IEC 61730-2:2016
IEC 61701
IEC 62716
- CEN TS 1187 for fire safety and comply with EN 13501-5:2016 B_{roof}(t2) classification criteria when installed.



Engineering Drawings (units mm)

View from the Front

View from the Back



View from the Bottom Edge



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Photovoltaic metal roofs