



HYBRID MODULE THERMO-PHOTOVOLTAIC (PVT)

New



RA 24 HYBRID 570W of combined energy

Photovoltaic

- Module **120W**
- High efficiency monocrystalline cells cooled by coolant
- Enhanced lifespan
- Hail resistant glass

Self-bearing roof

0,64 m²



Thermal

- Module **450W** in plants with H.P. (Heat Pump)
- Extruded aluminium structure
- Innovative thermal exchange system
- Water + coolant capacity **6,3 litri**
- **Water flow over 17 Lt. per min.**

The new concept of hybrid energy module, specifically developed to increase electrical efficiency and use thermal energy to feed all sorts of applications.



Manufactured in Italy **CE**

Member of CISQ Federation



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Cap. Soc./Stock Capital: € 286.000,00
Reg. Soc. Trib. Lecce 13048
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TECHNICAL DATA

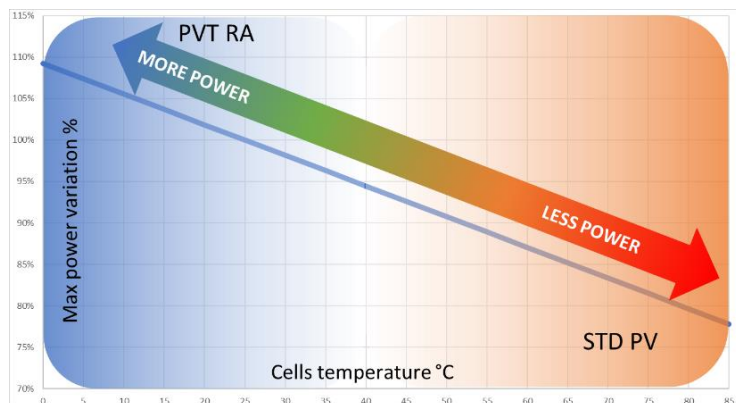
Electrical specifications STC (Standard Test Conditions)
1.000 W/m² (25±2)°C AM 1,5 EN 60904-3

OVERALL

Lenght mm	1954
Height mm	325
Height with gasket mm	326
Width mm	47
Interaxis fixings width mm	310
Weight Kg (full / empty)	23,8 / 17,5
Colour	Black
Power ratio (thermal/electrical)	3,75
Front tempered glass mm	4
Cell encapsulation	E.V.A.
Chassis	Aluminium 6063

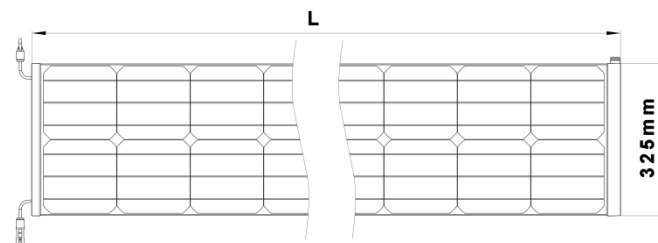
ELECTRICAL

Cells per module	24
Cells type	monocrystalline
Nominal power ± 3% (Pmax) Wp	120
Power per area W/ m ²	191
Module efficiency η(%)	19,1
Max Voltage U _{Mpp} (V)	13,3
Max Current I _{Mpp} (A)	9,2
Open Circuit Voltage U _{OC} (V)	15,9
Short Circuit Current I _{SC} (A)	9,6
Max Reverse Current I _R (A)	20
System Max Voltage V _{SYS} (V)	777

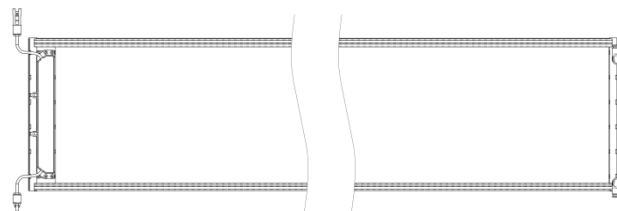


Analysis of power depending on cells temperature.

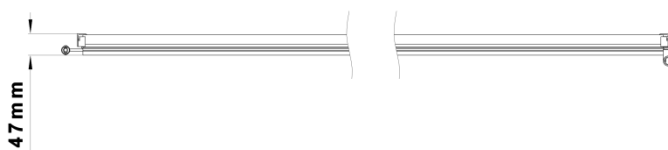
- Special module-module joining system through a silicone gasket
- 100% reduced space thanks to photovoltaic and thermal combination.
- Designed for waterproof treadable roofing



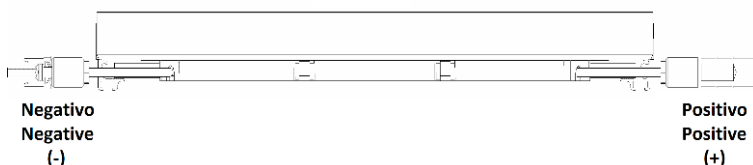
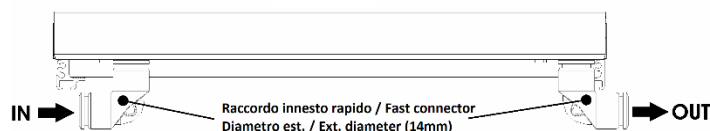
VISTA POSTERIORE / REAR VIEW



PARTE LATERALE / SIDE VIEW



VISTA ANTERIORE / FRONT VIEW



Thermal

Thermal Power W	450
Power per area W/ m ²	715
Hydraulic connectors	quick coupling
Pressure (mmH ₂ O)	1,0
Volume flow rate (l/min)	17
Water + coolant (litres)	6,3
Coolant type	15% glicole pro.
Gross area m ²	0,64
Aperture area m ²	0,61
Absorption area m ²	0,61
Thermal insulation λ=0,037	polystyrene
Max pressure (bar)	1,5

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Cert. n°2026/99/S

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