



HYBRID MODULE THERMO-PHOTOVOLTAIC (PVT)

New



RA 28 HYBRID 665W of combined energy

Photovoltaic

- Module **140W**
- High efficiency monocrystalline cells cooled by coolant
- Enhanced lifespan
- Hail resistant glass

Self-bearing roof

0,74 m²



Thermal

- Module **525W** in plants with H.P. (Heat Pump)
- Extruded aluminium structure
- Innovative thermal exchange system
- Water + coolant capacity **7,3 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
C.C.I.A.A. LECCE 159307



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TECHNICAL DATA

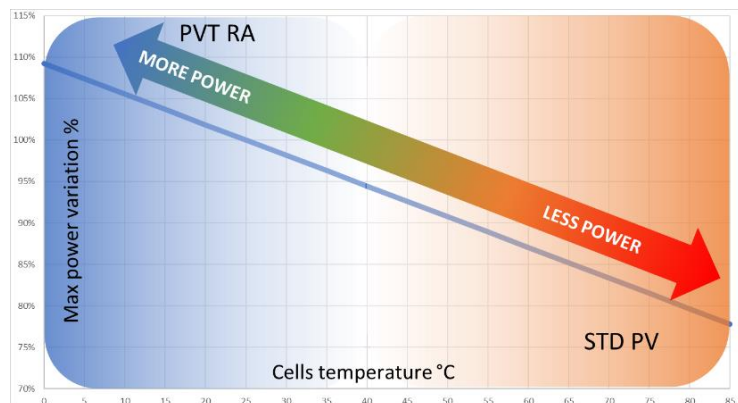
Electrical specifications STC (Standard Test Conditions)
1.000 W/m² (25±2)°C AM 1,5 EN 60904-3

OVERALL

Lenght mm	2269
Height mm	325
Height with gasket mm	326
Width mm	47
Interaxis fixings width mm	310
Weight Kg (full / empty)	27,6 / 20,3
Colour	Black
Power ratio (thermal/electrical)	3,75
Front tempered glass mm	4
Cell encapsulation	E.V.A.
Chassis	Aluminium 6063

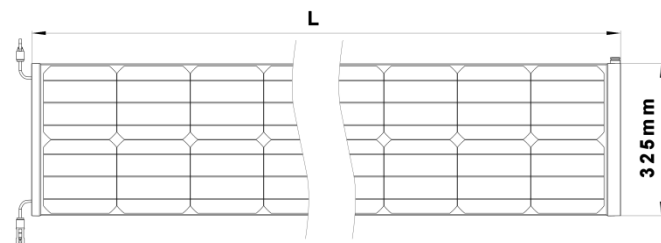
ELECTRICAL

Cells per module	28
Cells type	monocrystalline
Nominal power ± 3% (Pmax) Wp	140
Power per area W/ m ²	192
Module efficiency η(%)	19,2
Max Voltage U _{Mpp} (V)	15,5
Max Current I _{Mpp} (A)	9,2
Open Circuit Voltage U _{oc} (V)	18,5
Short Circuit Current I _{sc} (A)	9,6
Max Reverse Current I _R (A)	20
System Max Voltage V _{sys} (V)	777

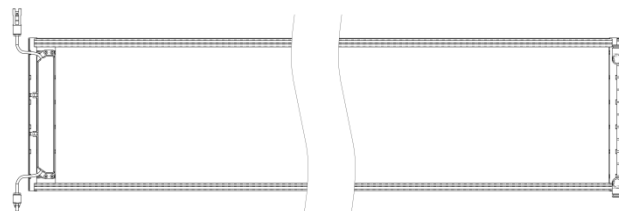


Analysis of power depending on cells temperature.

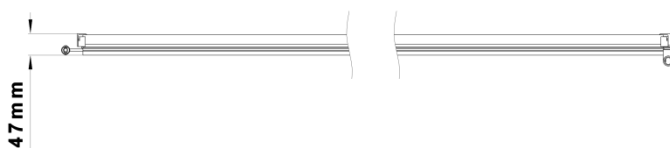
- Special module-module joining system through a silicone gasket
- 100% reduced space thanks to photovoltaic and thermal combination.
- Designed for waterproof treadable roofing



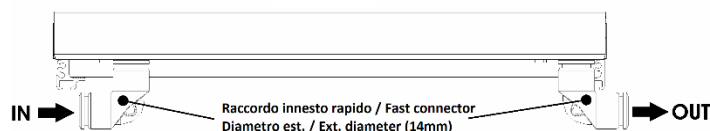
VISTA POSTERIORE / REAR VIEW



PARTE LATERALE / SIDE VIEW



VISTA ANTERIORE / FRONT VIEW



Negative
Negative
(-)

Positivo
Positive
(+)

Thermal

Thermal Power W	525
Power per area W/ m ²	718
Hydraulic connectors	quick coupling
Pressure (mmH ₂ O)	1,0
Volume flow rate (l/min)	17
Water + coolant (litres)	7,3
Coolant type	15% glicole pro.
Gross area m ²	0,74
Aperture area m ²	0,71
Absorption area m ²	0,71
Thermal insulation λ=0,037	polystyrene
Max pressure (bar)	1,5

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Cert. n°2026/99/S

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