



HYBRID MODULE THERMO-PHOTOVOLTAIC (PVT)

New



RA 32 HYBRID 760W of combined energy

Photovoltaic

- Module **160W**
- High efficiency monocrystalline cells cooled by coolant
- Enhanced lifespan
- Hail resistant glass

Self-bearing roof

0,84 m²



Thermal

- Module **600W** in plants with H.P. (Heat Pump)
- Extruded aluminium structure
- Innovative thermal exchange system
- Water + coolant capacity **8,3 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



SIC DIVISIONE ELETTRONICA S.r.l.
Tel +39 0832 365946
Tel & Fax +39 0832 365979/365963
www.sic-divisione-elettronica.it
www.smartcell.it

Address:
Viale Gran Bretagna 1
Zona Industriale
73100 LECCE (LE) ITALY
sta-mkt@sic-divisione-elettronica.it

P. IVA (VAT n°): IT-02431730759
Cap. Soc./Stock Capital: € 286.000,00
Reg. Soc. Trib. Lecce 13048
C.C.I.A.A. LECCE 159307



034

TECHNICAL DATA

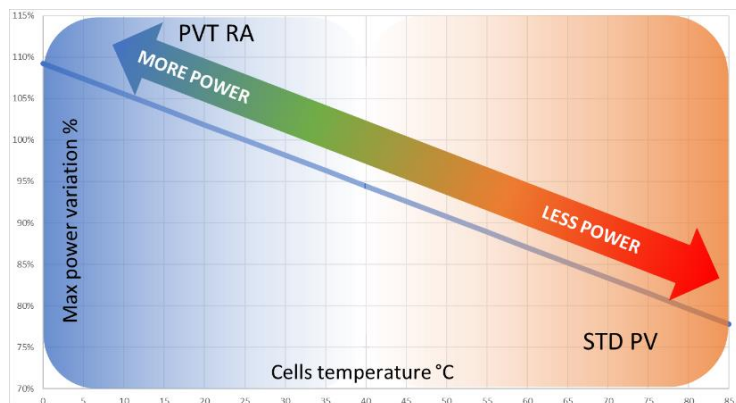
Electrical specifications STC (Standard Test Conditions)
1.000 W/m² (25±2)°C AM 1,5 EN 60904-3

OVERALL

Lenght mm	2585
Height mm	325
Height with gasket mm	326
Width mm	47
Interaxis fixings width mm	310
Weight Kg (full / empty)	31,4 / 23,1
Colour	Black
Power ratio (thermal/electrical)	3,75
Front tempered glass mm	4
Cell encapsulation	E.V.A.
Chassis	Aluminium 6063

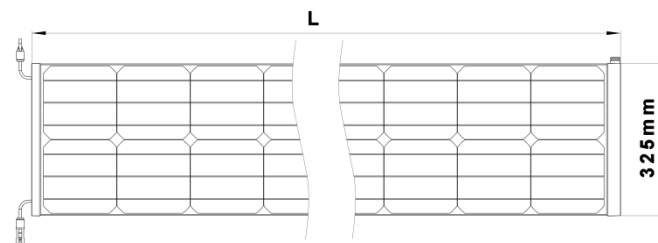
ELECTRICAL

Cells per module	32
Cells type	monocrystalline
Nominal power ± 3% (Pmax) Wp	160
Power per area W/ m ²	192
Module efficiency η(%)	19,2
Max Voltage U _{Mpp} (V)	17,8
Max Current I _{Mpp} (A)	9,2
Open Circuit Voltage U _{OC} (V)	21,2
Short Circuit Current I _{SC} (A)	9,6
Max Reverse Current I _R (A)	20
System Max Voltage V _{SYS} (V)	777

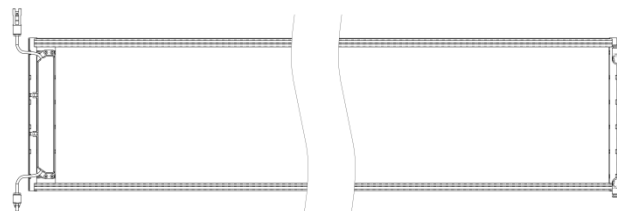


Analysis of power depending on cells temperature.

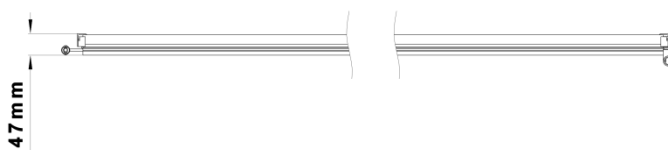
- Special module-module joining system through a silicone gasket
- 100% reduced space thanks to photovoltaic and thermal combination.
- Designed for waterproof treadable roofing



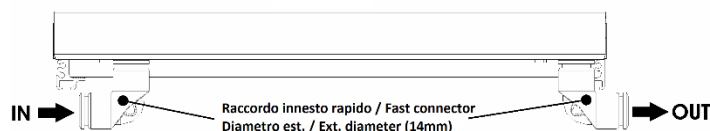
VISTA POSTERIORE / REAR VIEW



PARTE LATERALE / SIDE VIEW



VISTA ANTERIORE / FRONT VIEW



Negative
Negative
(-)

Positivo
Positive
(+)

Thermal

Thermal Power W	600
Power per area W/ m ²	720
Hydraulic connectors	quick coupling
Pressure (mmH ₂ O)	1,0
Volume flow rate (l/min)	17
Water + coolant (litres)	8,3
Coolant type	15% glicole pro.
Gross area m ²	0,84
Aperture area m ²	0,81
Absorption area m ²	0,81
Thermal insulation λ=0,037	polystyrene
Max pressure (bar)	1,5

Member of CISQ Federation



Cert. n°2026/99/S

SIC DIVISIONE ELETTRONICA S.r.l.
Tel +39 0832 365946
Tel & Fax +39 0832 365979/365963
www.sic-divisione-elettronica.it
www.smartcell.it

Address:
Viale Gran Bretagna 1
Zona Industriale
73100 LECCE (LE) ITALY
sta-mkt@sic-divisione-elettronica.it

P. IVA (VAT n°): IT-02431730759
Cap. Soc./Stock Capital: € 286.000,00
Reg. Soc. Trib. Lecce 13048
C.C.I.A.A. LECCE 159307



SIC DIVISIONE ELETTRONICA
All rights reserved
REV. 01/2020