



PERGOSOLAR HARMONY

BIOVOLTAÏC PERGOLAS ENERGY PRODUCTION & SOLAR PROTECTION

PERGOSOLAR ensures a high level of climatic and thermal comfort all year round. Wall mounted or free-standing PERGOSOLAR enables the creation of an additional living space or a sheltered parking space.

This innovative pergola has a waterproof and modular roof. You can choose from either an electricity-producing roof composed of photovoltaic panels, or the option to open-up the roof to provide ventilation whilst still shading your outdoor living space. This can be achieved with motorized adjustable blades. Depending on your requirements, you also have the possibility to combine one or more lines of photovoltaic panels with the roof blades to create a truly bespoke feel.



FEATURES AND OPTIONS HARMONY RANGE

COMPATIBILITY WITH SOLAR PANELS LARGE SIZES⁽²⁾

Versions	2x2 panels	2x3 panels	3x2 panels	4x2 panels	3x3 panels	4x3 panels
Surface (sqm)	12	17	17	22	24	32
Width (mm)	A 2981	2981	4299	5617	4299	5617
Length (mm)	B 3876	5676	3876	3876	5676	5676
Height (mm)	C			2672		
Foot height (mm)	D			2400		
PV roof height (mm)	E			327		
Height of the adjustable blades roof (mm)	F			347		
Foot dimensions (mm)	G			150x150		
Weight (2 feet)* (kg)	290	404	377	461	510	626
Weight (4 feet)* (kg)	330	444	417	501	550	666
Maximum number of PV panels	4	6	6	8	9	12
Maximum number of adjustable blades kit	2 x	2 x	3 x	4 x	2 x	2 x

*The installation can be done in free standing (4 feet), wall mounted (2 feet), in side and depth junctions

Material

Structure : Aluminium 6063 T5

Fasteners : stainless steel

Blades : Extruded aluminium, alloy 6063

Powder-coated structure

Colours and Options

Colours: Anthracite matt granulated grey - RAL 7016

Glossy white - RAL 9010

Adjustable blades: RAL 9010

For other colours, please contact us

Standard equipment

Feet base



Dimensions : 300*300*230mm
Colours availability:
RAL 7016 / 9010

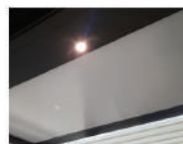
Options

Peripheral Strip LED



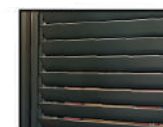
IP65 - Neutral white 3200 K 1050
Lumens / m - 4x5 m

Built-in WHITE LED spotlight



IP54 - Adjustable +/- 13°
Neutral white 3000 K
380 Lumens / m

Surrounding screen



White polycarbonate plate 16 mm



Smartphone control



DAISY App
WIFI connection



Remote control to activate blades, screens and lighting (ON/OFF, with dimming facility)

Πλαίσιο (Claustra)

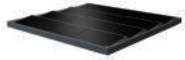


* Weight of the structure alone (excluding modules and options)

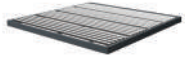
(2) Photovoltaic modules not supplied in PERGOSOLAR kits. Compatible with framed photovoltaic modules with a length of: 1740 to 1800 mm, width: 1030 to 1098 mm, thickness: 30 to 50 mm.

BENEFITS

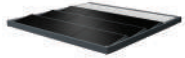
DESIGN YOUR OWN ROOF



The **photovoltaic roof**, for electricity generation.
Slope of 7.5° for optimal energy efficiency.



The roof made of **adjustable blades** to provide ventilation and days of sunshine management
Adjustable blades from 0° to 120° (Option available for 2×2, 2×3, 3×2 and 4×2 models).



The **biovoltaic roof**, electricity generation, climatic and thermal comfort.



PERFORMANCE

- Slope of 7.5° for optimal energy efficiency

AESTHETIC

- Discreet fasteners
- Contemporary design
- Peripheral strip LED

VERSIONS



Wall mounted installation



Free standing installation



Side and depth junctions



RESISTANCE

- Maximum snow load : 180 kg/sqm
- Qualicoat and Qualmarine certified

PROMPT INSTALLATION

- Fully mechanical assembly method
- Ground mounting or concrete plate fixings
- Bolt anchoring

100 % WATER-TIGHTNESS

- Waterproof roof with water pipes for rain water harvesting via gutters and feet

MA PERGOLA SOLAIRE

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