Ma Pergola Solaire

MAMMOTH ENERGY

EXCLUSIVE IMPORTER IN GREECE

PARK-E 400

SOLAR CARPORT / SHELTER PROTECTION & POWER STATION

RESIDENTIAL AND COMMERCIAL

FRENCH DESIGN

PARK-E 400, SOLAR MONO-PITCH CANOPY, has been designed to protect all types of vehicles from the sun and bad weather while producing energy.

PARK-E 400 is available in several sizes

The specific configuration of the roof, with a 7° inclination of the solar panels, allows both the optimization of photovoltaic production and the most effective protection of the vehicles.

WHAT ARE THE ADVANTAGES OF A CARPORT?

- Protect your vehicles from the sun and weather all year round.
- Furnish your exterior and gain square metres in your home.
- Enhance the value of your home and business premises with equipment that provides high added energy value.
- Recover your investment through energy production.
- Adaptable and modular structure depending on the surface area to be covered and the number of vehicles to be charged.

(1) Carport, 2 parking spaces, equipped with 15 photovoltaic panels of 400 Wc
(2) On the basis of 20 kWh per 100 km
(3) Source: https://solairepv.fr/

Sun and weather protection

Power generation, free energy from the sun

Respect for the environment

Quick and easy to install

Promote your Corporate Social Responsibility credentials

WHY CHOOSE SOLAR ENERGY?

- Electricity production and energy autonomy.
- Reduce your electricity bill.

The PARK-E 400 photovoltaic roof [1] has a nominal power of 6 kW. In Lyon (France), it will provide approximately 6 600 kWh of electrical energy each year, i.e.:
- If you have an electric vehicle, you will produce the equivalent of 33 000 [2] km per year.
- If you want an alternative to installing solar panels on your roof, you will produce the equivalent of the consumption of a family of 4 [3] (excluding heating).

Become a player in the ecological transition by producing clean, local and inexhaustible electricity and reduce your carbon footprint!

FEATURES AND OPTIONS

Unlimited side assemblies with the 1 or 2 parking spaces models

Versions		1 parking space	2 parking spaces	6 parking spaces	12 parking spaces
Surface (sqm)		21	31	93	184
Depth (mm)	A	5762			
Width (mm)	B1	3704	5454	16062	31974
Width between posts (mm)	B2	3404	5154	5154	5154
Height (mm) minimum	C1	2299 (size XL: 2800)			
Height (mm) maximum	C2	2996 (size XL: 3500)			
Foot section (mm)		150×150			
Structure weight without solar panels and without ballast		270kg (XL:284kg)	323kg (XL:337kg)	919kg (XL:946kg)	1813kg (XL:1860kg)
Number of photovoltaic modules [1]		10	15	45	90
Modules orientation		Landscape			

Material

Structure: Aluminium 6063 T6

Fasteners: stainless steel (A2)

Snow loads[2]
Maximum: 197 kg/sqm (model 1 parking space)
and 128 kg/sqm (models > 2 parking spaces)
Accidental: 184 kg/sqm (all models)
[2] Source: APAVE's report

Structures:

certified aluminium and powder-coated stell

Colours:
Matt anthracite grey - RAL 7016 / Roof: black anodised

Compatibility framed photovoltaic modules:
Length: 1722 to 1724 mm
Width: 1132 to 1150 mm
Thickness: 30 to 45 mm

Possible implementations: on concrete slabs or stringers
Installation conditions to be consulted on: https://mapergolasolaire.com/supports/

Options:
[1] Supply of photovoltaic modules
- Photovoltaic kit (modules, inverters and cables) : please contact us
- Fixation of the plate for charging station
- Charging stations: 7,2 or 22 kW.

PARK-E 400 is compatible with all types of charging station.

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