

PVS2-R

PVS2-R, Photovoltaic canopy with integration of RVE, inverter and protections in the structure itself.,

Code: EPVR20.

Description

The PVingPARK PVS2-R canopy is a solar photovoltaic canopy solution that allows an integrated double socket charging system for electric vehicles to be incorporated into its own structure. This charging enclosure and its associated electrical protections are specifically designed to be integrated into the base of the canopy itself, ensuring the easy assembly and operation of the system. It has a lockable side door that allows access to the inside of the base, where both the protection panel and the PV inverter are optionally located.

This solution makes it possible to produce energy during solar hours to cover part of the electricity consumption of an installation as well as the recharging of electric vehicles.

The PVS2-R solution includes the following elements:

- HalfCell monocrystalline photovoltaic modules (120 cells).
- PVS2-R type canopy structure
- Grid-connected photovoltaic inverters.

Optionally, each of the canopy feet can integrate: Type 2 double socket RVE charger, single-phase (2 x 7.4 kW) or three-phase (2 x 22 kW).
Electric vehicle recharging protection panel (integrated inside the foot).
In addition, the solution can be complemented with PV protection and control panels. These panels include both the protections for the DC side (StringBox) and the AC protections at the inverter output (CombinerBox).
This system offers the following advantages:

- Reduction of the energy consumed from the electricity grid and CO2 emissions into the atmosphere.
- Coverage for outdoor car parks
- Up to 2 RVE sockets per foot of carport, ensuring that the charging needs are covered for all parking spaces.
- Modular system that can be adapted to the dimensions/places available.

Application

- Phootolinera concept: recharging of electric vehicles with solar backup generation.
- Photovoltaic installations on buildings without a roof for the installation of conventional photovoltaic panels.
- Ideal for installations with uncovered parking and daytime consumption.



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Solar canopies for instant self-consumption and electric vehicle recharging integration

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Specifications

Características Base

Grado protección	C5
Material	S355J2+N
Medidas	920 x 490 x 252 mm
Peso	61 kg

Características Pie

Espesor chapa	3 mm
Grado protección	C5
Material	S350GD+ZM310
Medidas	828 x 3025 x 260 mm
Peso	123 kg
Separación pies	Protected environments: 7.5 m (3 Spaces)Open environments: 5 m (2 Spaces)

Características Vela

Espesor chapa	3 mm
Grado inclinación	12°
Grado protección	C5
Material	S350GD+ZM310
Medidas	612 x 5004 x 250 mm
Peso	160 kg

Features / performance

Additional	Waterproofing Internal wiring RVE integration in the pillar Inverter integration in the pillar Aesthetic impact Mounting service Power 3kWp/place
Optional	2 Recharge points per pillar Paint: Option 1: Base + Pillar Option 2: Base + Pillar + Beam

Standards

Standards	European: Eurocode: 0, 1 and 3 Spanish: CÓDIGO TÉCNICO DE LA EDIFICACION: DB-SE-SE, DB-SE-AE, DB-SE-A.

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CODE	TYPE	Description
EPVR20.	PVS2-R	Photovoltaic canopy with integration of RVE, inverter and protections in the structure itself.

The PVS2-R marquees have a side door on each stand that can be used to incorporate electrical safeguards and/or inverters inside (consult compatible models and dimensions). It includes the price of the template and the RAL paint at the customer's request. DELIVERY NOT INCLUDED

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