



## PHOTOVOLTAIC SOLAR ENERGY BIPV-BUILDING INTEGRATED PHOTOVOLTAIC PARKINGS



Photovoltaic technology (PV) has a great potential for integration in public spaces and is especially suitable for urban furniture.

Solar Innova has developed a Photovoltaic Parking solution that consists of a structure where a photovoltaic solar installation guarantees on-site power generation.

The installation of photovoltaic solar panels on this car park allows multiple functions such as creating shade, protection against rain, hail and snow, as well as significant energy savings.

This design is based on a parking for several vehicles with a photovoltaic integration on the roof, inclined 7° with respect to the horizontal, with a variable orientation with respect to the azimuth, depending on the specific needs of each plot.

A sloping roof has been designed that is able to evacuate rainwater without problems and that is polyvalent in any orientation at the same time.

The structure of this photovoltaic parking has an extraordinary flexibility in the design, since it allows to customize the photovoltaic modules to be installed (opaque, transparent, colored, etc.).

This photovoltaic parking structure also offers the possibility of integrating different services, such as the charging of electric vehicles, the incorporation of lighting, or the option of including advertisements, among others.