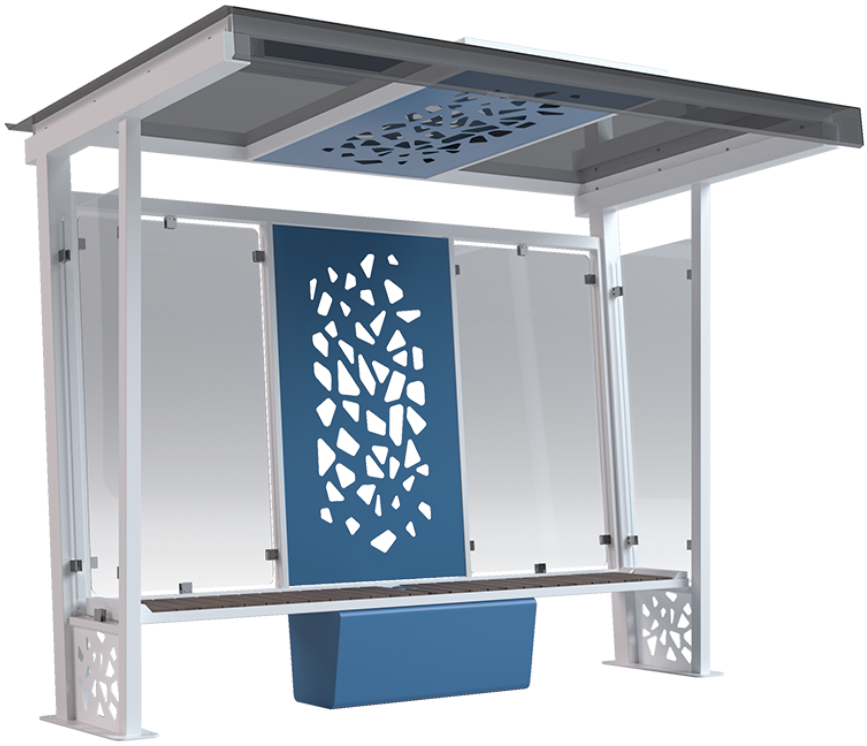
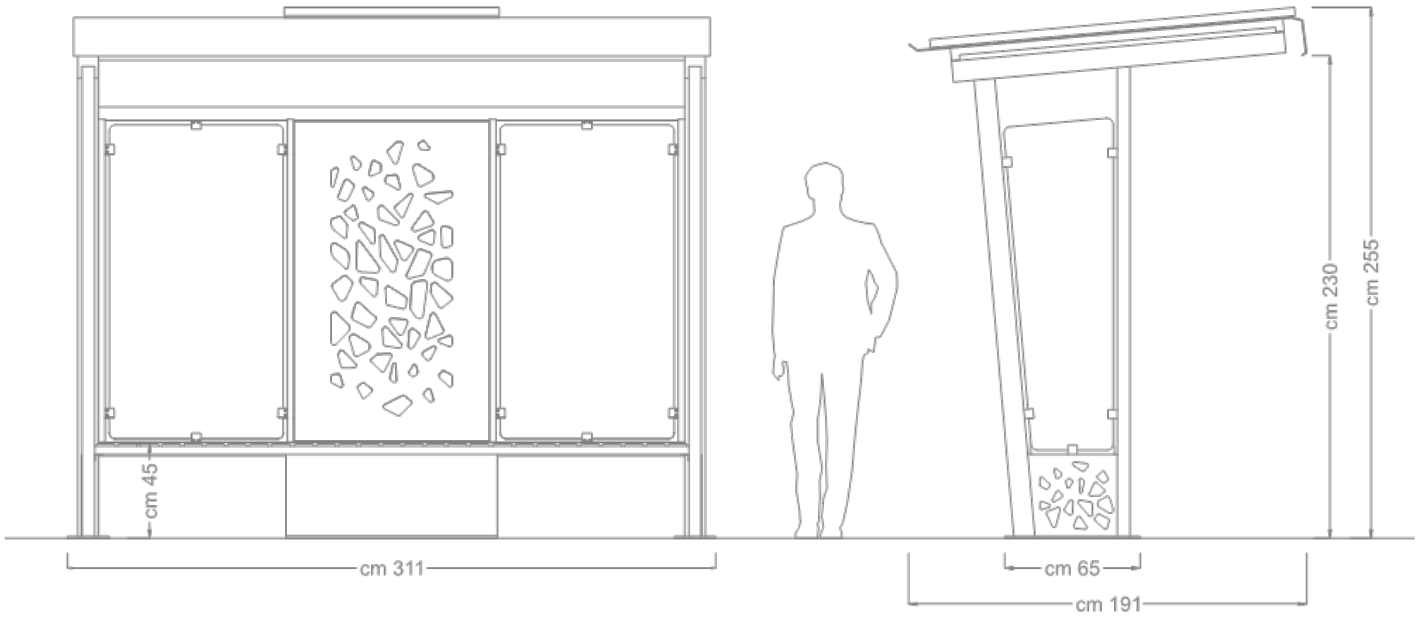
Datasheet

Komete Solar shelter

Product code D818-S

Rev. 0 of 22/03/2021





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REA LE 200574 CAP SOC. SOC. € 2.000.000.00

DESCRIPTION

Structure

With its particular shape, the Komete Solar model shelter is made up of two lateral load-bearing structures, made of 100x100x3 mm square section galvanized steel profiles, equipped at the base with a galvanized sheet metal plate with holes for fixing to the ground. The two structures are characterised by a lower carved panel, made with laser cutting of galvanized sheet metal. Side infill made of 5+5 mm thick transparent laminated glass with polished edge supported by suitable clamps. Covering frame made of 60x30x3 mm rectangular section galvanized steel profiles, upper infill in 5 mm thick smoked compact polycarbonate, shatterproof, protected from UV rays and particularly suitable for outdoor use. In the front part, a strip is obtained by means of press-bending, designed to house a PVC sticker; rear gutter for collecting and draining rainwater. In the central part, the roof is characterized at the bottom by a decorative panel with stylised carvings, obtained by laser cutting in galvanised sheet metal. Rear wall made of galvanised steel profiles with a square section of 60x60x3 mm and a rectangular section of 60x30x3 mm; infill made of transparent stratified glass shapes, thickness 5+5 mm, with polished edge, supported by appropriate clamps. The central rear module is characterized by a decorative panel with stylised carvings identical to the roof panel, obtained by laser cutting in galvanised sheet metal.

Bench: inside the shelter consisting of a seat made with galvanised steel profiles and covered with Okumè wood profiles. The bench extends along the entire length of the shelter. In the lower central part there is a compartment made entirely of galvanised steel profiles, for the housing and wiring of all the electrical components of the structure.

Total weight: 676Kg

Solar System: The Komete Solar photovoltaic shelter adopts a photovoltaic panel installed on the upper part of the roof to generate electricity to be stored in an accumulator placed inside the seat. The seat acts as a metal container, which can be inspected, and houses all the electronics necessary to make this shelter a stand-alone product. The energy stored in the accumulator is reused throughout the day, in order to power a QI wireless charging device, the USB sockets located on the sides of the seat and for lighting the shelter.

Attention: The product offers two configurations for lighting management: "Timed" and "Twilight". From the factory, it is pre-configured in "Timed" mode, with switching on at 5pm and switching off at 6.00am the following morning.

Switching from "Timed" to "Twilight" mode (and vice versa) can be done by following the instructions in the documentation provided during installation. However, by selecting the "Twilight" mode, the presence of artificial light sources (for example, lighting poles) near the product or that project direct light onto the photovoltaic panel could compromise correct operation, hindering automatic switching on and off of lighting.

It should also be noted that, regardless of the configuration selected, the lamp switching on time may be shorter than expected. This directly depends on the charging capacity of the battery and its efficiency over time. The battery is recharged thanks to the energy collected by the photovoltaic panel, the yield of which varies depending on the climatic conditions and the availability of sunlight.

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COLOR FINISH AS PROVIDED IN THE CATALOG

RAL 5012
(Decorative panels)

RAL 9010
(Structure)

Customers can request a different finish from the RAL color options available on our website.

PRODUCT VARIANTS

Product code D818-S-B - Komete Solar shelter with display case

Product code D818-B - Komete shelter with display case

Product code D818 - Komete bus shelter

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ANTICORROSIVE TREATMENTS AND FINISHES

Washing

Spray treatment is used to get rid of oils and fats from metal surfaces by using special degreasing liquids. The process involves drying in a dryer for 15 minutes.

Sandblasting

The porosity of metal surfaces is increased by the manual sandblasting process with river sand, which results in an increase in thermosetting powder adhesion.

Anticorrosive application

The first step in the coating process involves using a thermosetting powder anti-corrosion base made of epoxy resins and specific pigments. It provides enough protection against the elements.

Anticorrosive polymerization

The process involves cooking in an industrial curing oven at 180°C. In this step, the powder is transformed into a coating that is uniform, smooth, and lasting.

Polymerization coloured finish

The final phase of coating with thermosetting powders. The application complies with the same principles as the anti-corrosion.

Polymerization colored finish

The final product will be cured in an industrial curing oven at a temperature of 180°C. The procedure is based on the same principles as the polymerization of the anti-corrosion agent. The powder becomes a uniform coating, and the surface becomes the characteristics of the chosen color type, including smooth, peeled, or wrinkled, etc.

MAINTENANCE PLAN FOR WOODEN PARTS

For a long service life of wood planks, periodic maintenance work is necessary, therefore, maintenance is recommended **every three to six months and in any case once a year**.

For periodic maintenance, carry out light sanding with a 150-grit abrasive sponge, apply a thin coat of Adler Oil, absolutely avoiding the formation of layers.

For the renewal of aged and graying elements, proceed with a thorough sanding with a 150-grit abrasive sponge in the direction of the fibers, removing any existing paint residue.

Proceed with an initial application of Adler Light Mahogany Oil by brush. After 12 hours, apply a second coat of Olio Adler light mahogany with a brush and then pull off excess product with a soft cloth.

Please note, necessary maintenance products such as Oils and impregnants are not included in the product supply but can be requested separately.

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DELIVERY

The product comes with an assembly kit that includes steel screws and instructions for mounting and fixing.

FIXING

The structure is equipped at the base with plates with holes for anchoring to the ground.

CORPORATE CERTIFICATIONS

ISO 9001:2015

Quality Management System.

UNI EN ISO 3834-3:2021

Welding quality management system.

EN 1090-1:2009

The product bears CE Marking in accordance with EN 1090-1:2009 in execution class EXC2.

Processing center

Certificate according to Italian Law D.M. of 17 Jan 2018

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