



GIELLEENERGY-TILE® For-Four 2018 with 8 PV cells - 40,0 Wp

GIELLEENERGY-TILE® For-Four, is a photovoltaic roof tile, designed to offer total architectural integration and compatibility with the main types of clay tiles on the EU market. The further doubling of the dimensions was necessary again to break down the production time of the product and its time for installing it, as well as halving the connections even further, with the achievement of the additional goal of cost reduction compared to **GIELLEENERGY-TILE® Standard** and **Ultra**, thus achieving a highly competitive € / Wp industrial cost, making



GIELLEENERGY-TILE® For-Four, the most competitive PV roof tile, compared to all competitors on the European market. It is "Made in the EU" and after installation, thanks to interspaces reproduction (unique on the market) there is no visible difference between the three models.

ROOF SURFACE, NECESSARY FOR INSTALLATION 1 KWp: 7,50 m² (only PV Roof tiles)

GIELLEENERGY-TILE® For-Four NECESSARY FOR 1 KWp POWER: 25 pcs - FOR 3KWp POWER :75 pcs

Nominal Power : 1 pc GIELLEENERGY-TILE® For-Four : 40,00 Wp (available October 2017)

GIELLEENERGY-TILE® For-Four is made of thermoplastic resin, designed to support heat levels, reaching 200 °C. Inside the thermoplastic resin part is housed the photovoltaic module made of 8 standard solar monocrystalline cells 156X156 mm with efficiency >21%, encapsulated by EVA, all covered with low-iron, tempered, high transmittance (> 92%), photovoltaic glass.

COMPATIBILITY: GIELLEENERGY-TILE® For-Four, are compatible with all types of solar inverters, accumulators and accumulation devices on the market, such as Powerwall, with more competitive cost.

TECHNOLOGY AND EFFICIENCY: GIELLEENERGY-TILE® For-Four has been developed to optimize exposure to sunlight; In fact, the shape of the tiles is such that, at any time of day, the shadow zones are reduced to zero. **GIELLEENERGY-TILE® For-Four** is equipped with a bypass diode, only the affected tile loosely so the continuity of the entire string, avoiding the "HOT-SPOT" effect. In addition, the GIELLEENERGY-TILE® Ultra is designed to maximize heat dissipation so that it remains within the optimum operating range. As well as to ensure traversability (max. 75 kg) during installation and maintenance.

ECOSUSTAINABILITY : GIELLEENERGY-TILE® For-Four is a 100% recyclable photovoltaic tile with total architectural integration aimed for the realization of photovoltaic roofs with low visible architectural impact. It is aimed at all those who care about the environment and energy saving, without however altering the aesthetic appearance of the buildings. Each **GIELLEENERGY-TILE® For-Four** at the end of life cycle, after being separated by photovoltaic cells, electrical wiring, which will be differentiated, can be recycled to 95%,

INSTALLATION : The mounting of the **GIELLEENERGY-TILE® For-Four** is virtually identical to the common clay tiles. They use the same battens and the same method by obtaining a fully and truly integrated photovoltaic roof. They also have a simple and effective system for fastening that is achieved by common screws, which prevents it from moving in any weather condition and minimizing the possibility of theft. Lastly, the installation minimizes the intervention of specialized electric personnel. With small adjustments it is possible to install them into any type of roof tiles on an existing roof, obtaining a considerable lightening since the weight of a **GIELLEENERGY-TILE® For-Four** is equal to less than 33% of any 4 clay tiles weight.

WARRANTY : **GIELLEENERGY-TILE® For-Four** is guaranteed for 10 years for manufacturing defects
Electrogeneration guaranteed : 90% for 10 years ; Electrogeneration guaranteed : 80% for 20 years

WORLD INTELLECTUAL PROPERTY
ORGANIZATION



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