

414PV SERIES Veranda roofing aluminium solar panel

WALLIS & ENERGY® is a range of aluminium sections fitted with photovoltaic solar energy panels for use on conservatory roofs. Innovation bronze Trophy at the 2010 international Energaia Renewable Energy Show.

GENERATORS

Two types of photovoltaic generator are available :

- Opaque, assembled onto insulating panels
- Semi-transparent, assembled as insulating glazing

INFILL

- 26–50 mm for photovoltaic panel
- 32–55 mm for insulating panel

PHOTOCELLS

Four types of photocell can be fitted:

- Polycrystalline
- Monocrystalline
- Semi-transparent monocrystalline
- Amorphous

TECHNIQUES

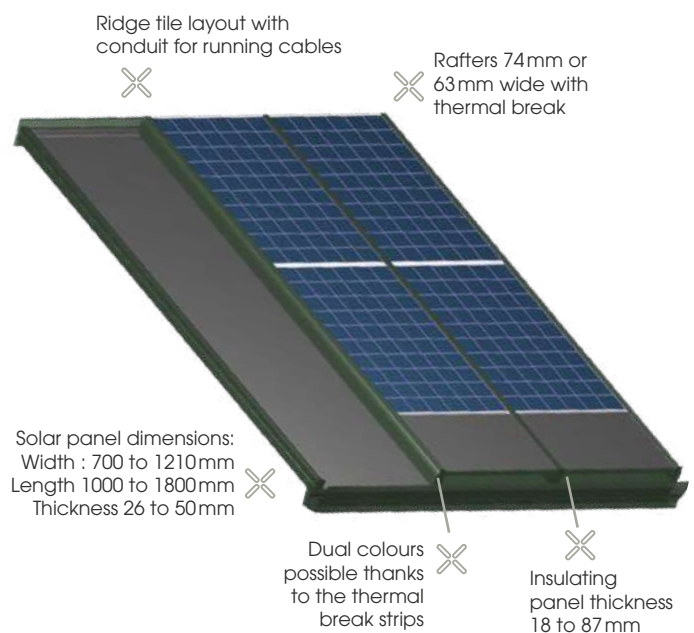
- Patented system
- Rafters providing perfect leak-tightness
- Good ventilation of solar panels
- Weather seal assured at slopes of over 5% by insulating panels held and sealed by EPDM gaskets and glazing beads.

OPTIONS

- Roller shutter housing
- Offset roller shutter housing
- Spotlight or strip LED bracket
- Blind holders

FEATURES

- Specially studied and designed for reliable, lasting integration of photovoltaic generators
- New lease of life for the roof
- Eco-friendly
- Dual colour scheme possible
- Available in all Profils Systèmes' exclusive colours : Terra Cigala®, Maohé®, Eclats Métalliques®, Profils Color®, Terre de Matières®
- Colour tint guaranteed up to 25 years*



OPAQUE CELLS

- Fitted to 63mm wide rafter sections
- Insulating panels can be fitted from 18–87mm thick, soundproofed if required, coupled with mono- or polycrystalline photovoltaic modules
- Solar modules fitted on the top of the insulating panels
- Ridge tile layout with conduit making it easy for the installer to run the cables

TANAGRA

017T SERIES

Curtain wall and alu atrium with built in solar cells

TANAGRA® curtain wall allows photovoltaic glazing to be fitted.

Build a photovoltaic solar generator into an atrium or curtain wall, connect it to the grid, and some of the electricity produced by the solar panels can be sold.

LAYOUTS

Two types of facade can be made from the unique structure :

- Grid layout
- Horizontal rows

INFILL

8-42 mm thickness

MULLIONS - TRANSOMS

Mullions and transoms 56-80mm wide large, with section depths from 25-240mm depending on the necessary inertia.

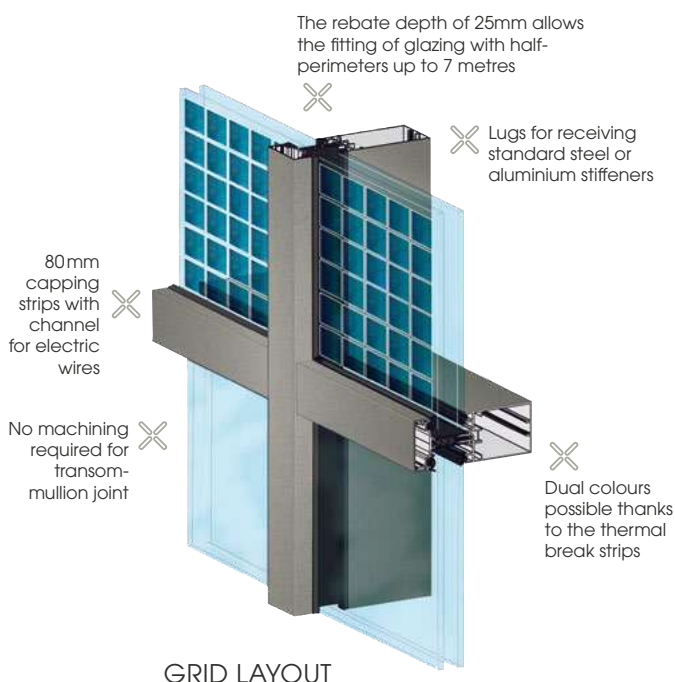
LOOKS

Specially adapted 80mm clamping and capping strips allow hidden electric wires to be run through and the connection box to be built into the glazing rebate.

MADE IN FRANCE

FEATURES

- Unique structure with stylish looks
- Large glazed areas
- No additional machining needed
- Cables can be run horizontally and vertically
- Dual colour scheme possible
- Available in all Profils Systèmes' exclusive colours : Terra Cigala®, Maohé®, Eclats Métalliques®, Profils Color®, Terre de Matières®
- Colour shades guaranteed up to 25 years*



GRID LAYOUT

TRANSPARENT GENERATORS

Five types of photocell can be fitted:

- Polycrystalline
- Monocrystalline
- High output monocrystalline
- Semi-transparent monocrystalline
- Semi-transparent amorphous ASI THRU

GLASS/GLASS TRANSPARENT MODULES

Bespoke modules available :

- Single laminated glazing
- Double glazing: insulation coefficient U_g of up to 1,1 W/m²K
- Tripe glazing: insulation coefficient U_g of up to 0,5 W/ m²K