

La Escandella
ROOFING THE WORLD

Easy Roof Integration

INTEGRATED PHOTOVOLTAIC
SOLUTIONS



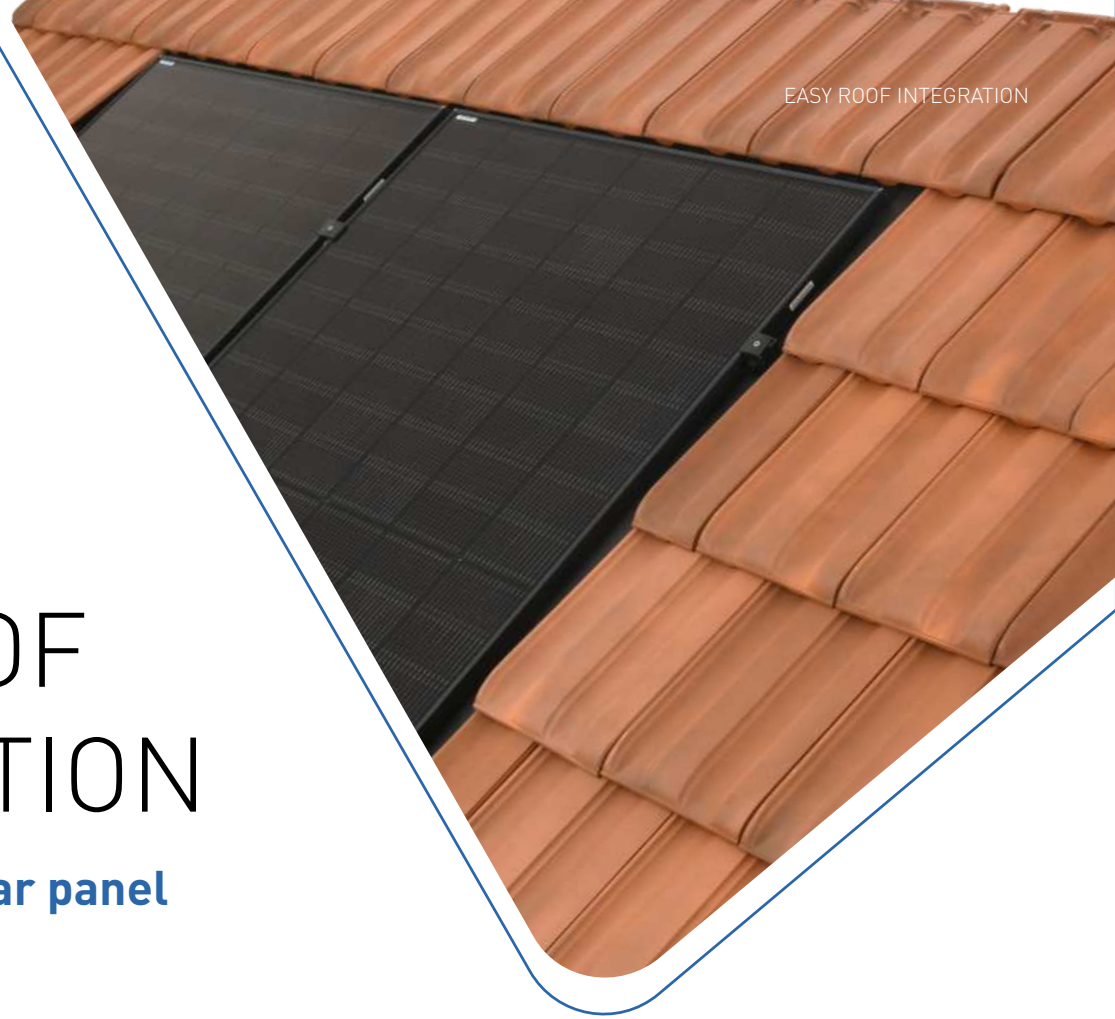
An Integrated Photovoltaic solution

Fixing system for integrating photovoltaic panels
on pitched roofs.



EASY ROOF INTEGRATION

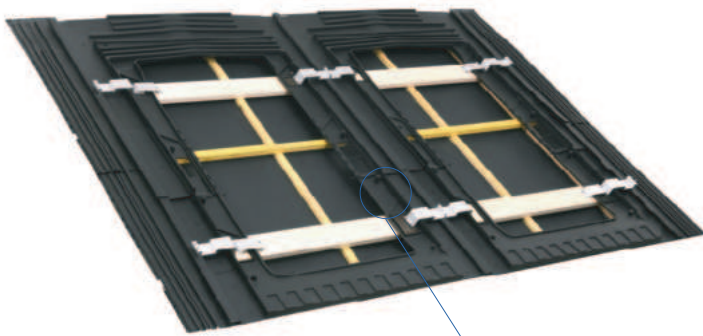
Roof-integrated solar panel mounting system



The ERI concept

EASY ROOF INTEGRATION (ERI) is a revolutionary installation system for integrating photovoltaic panels on ventilated roofs.

Thanks to its ingenious patented fastening method, the different parts of the **EASY ROOF INTEGRATION** fit together precisely, *without cuts or gaps*, and adapt perfectly to different types of clay roof tiles.



THE MOST RELIABLE INTEGRATED PHOTOVOLTAIC SYSTEM ON THE MARKET



A height adjustable frame for maximum **flexibility**

Complete System for an Energy Efficient Roof

**Pitched
Roof**

+

ERI Solar System

Choose with or without solar panel

EASY ROOF INTEGRATION

Compatible with most **solar panels on the market.**

- > REC
- > Sunpower
- > JA Solar
- > Canadian Solar
- > Solarwatt
- > AUO - BenQ
- > LG
- > JINKO
(included in kit)



CONCEPT

Modular assembly by interlocking frames and profiles for different MWp.



MATERIAL

Polypropylene copolymer with additives.

100% recyclable: no production waste and no end-of-life waste.



APPLICATIONS

New construction or rehabilitation buildings.

Compatible with the full range of La Escandella roof tiles.

Advantages



Reliability

- Sealing ensured by the overlapping of parts.
- Jointless systems.



Performance

- UV, hail, rust, heat, snow and wind resistant (valid for zone 4: snow, wind and sea according to NV-65 and Eurocode).
- Optimised ventilation thanks to air inlets and outlets under each module for improved energy efficiency.



Installation

- Integrated photovoltaic solar solution.
- Vertical mounting.
- No cut-outs, bibs integrated in the frame, perfectly centred modules.
- Integration in any roof area.
- Versatility in design
- Optimised cable routing in rows and columns.
- Fast installation: Estimated 6 hours for a 3 kW installation (2 installers).



Durability

- Patented concept that separates the fixing function of the photovoltaic panel from the waterproofing function, giving the product a durability that is unique.



Storage

- Common parts for the different frame sizes (excluding the frame).
- Standardised weight and dimensions.



Compatibility *

- Roofs with a pitch of 10° to 50°.
- Panels
Length: from 1680 to 2000 mm. (from 66,14 inch to 78,74 inch)
Width (frame):
- 1031-1050 mm (40,59 - 41,34 inch)
 - 1051-1070 mm (41,38 - 42,13 inch)
 - 1091-1100 mm (42,95 - 43,31 inch)
 - 1131-1150 mm (44,53 - 45,28 inch))

*Compatibility is determined by criteria other than dimensions. Check the compatibility of your modules via dpto.tecnico@laescandella.com



Maintenance

- Each photovoltaic module can be replaced independently.
- Periodic cleaning is essential, especially in sandy areas.
- Complete technical support in all phases of the project.

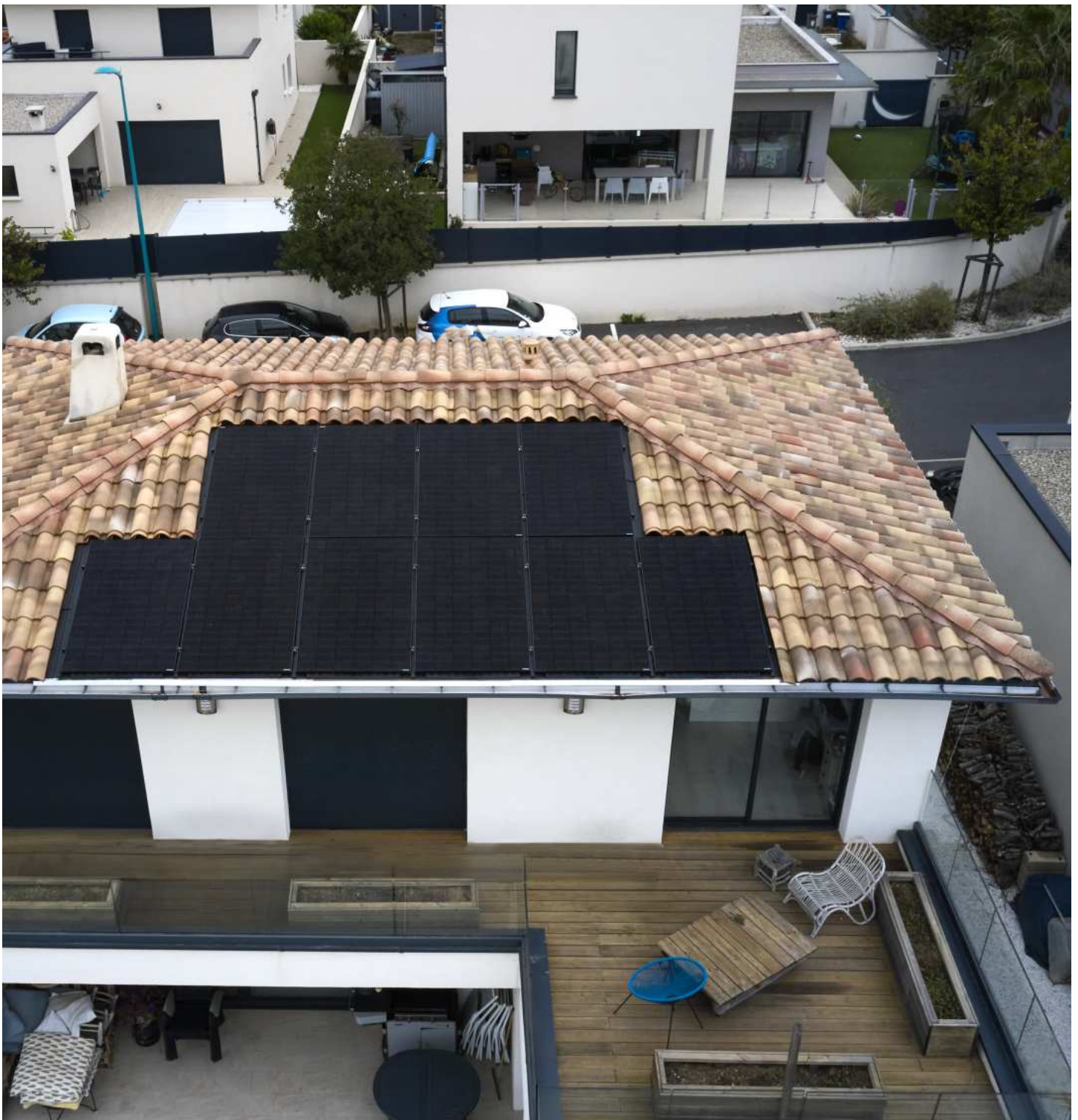


Certificates and warranties

- 10 years product and watertightness warranty.
- All the benefits of a single interlocutor for an energy-efficient roof.

Easy Roof Integration Kit

Fixing system for integrating solar panels on pitched roofs + a complete kit for the installation of an integrated photovoltaic roof.





- ✓ Excellent **quality/price ratio**
- ✓ Perfect **watertightness**
- ✓ Recognised solution for its **reliability and simplicity** of the installation
- ✓ **Self-consumption energy** with total comfort and integration

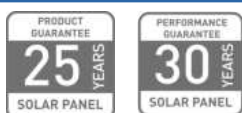
TECHNICAL CHARACTERISTICS

Technology	Mono-crystalline	Maximum power	425 Wp
Support	Polypropylene	Maximum power/m ²	212.5 Wp/m ²
Overall dimensions	1952 x 1556 mm	m ² - 1 kWp	4.7 m ²
Panel dimensions	1762 x 1166 mm	Units/kWp	2.35 uds
Units/m ²	0.5 uds	Maximum efficiency	21.27%

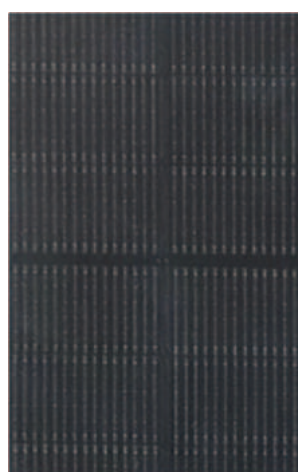
Data concerning the solar panel JINKO Tiger Neo.
 Product warranty: 25 years
 Performance warranty: 30 years at 87.4%

Kit components

Panel photovoltaic JINKO Full Black



+



Pre-frame for watertightness and fixings

Electric pack (optional)

The complete KIT can be supplied for projects from 1500 Wp upwards.

All our kits include a platform for production monitoring.



Microinverter HOYMILES or equivalent*

or



Inverter SMA central inverter or equivalent*.



AC / DC cables

+



Electrical protection

*The kit is determined according to the installed power.

La Escandella

ROOFING THE WORLD

La Escandella provides a **comprehensive service** of the calculations necessary for your project free of charge.
Contact us and we will manage the **full budget for your roof.**



MORE INFO
ON THE
WEBSITE

dpto.tecnico@laescandella.com

+34 965 691 788

www.laescandella.com

C/Bélgica 1, Pol. Ind. La Escandella 03698 Agost (Alicante), Spain

