

 electrotile



eTILE

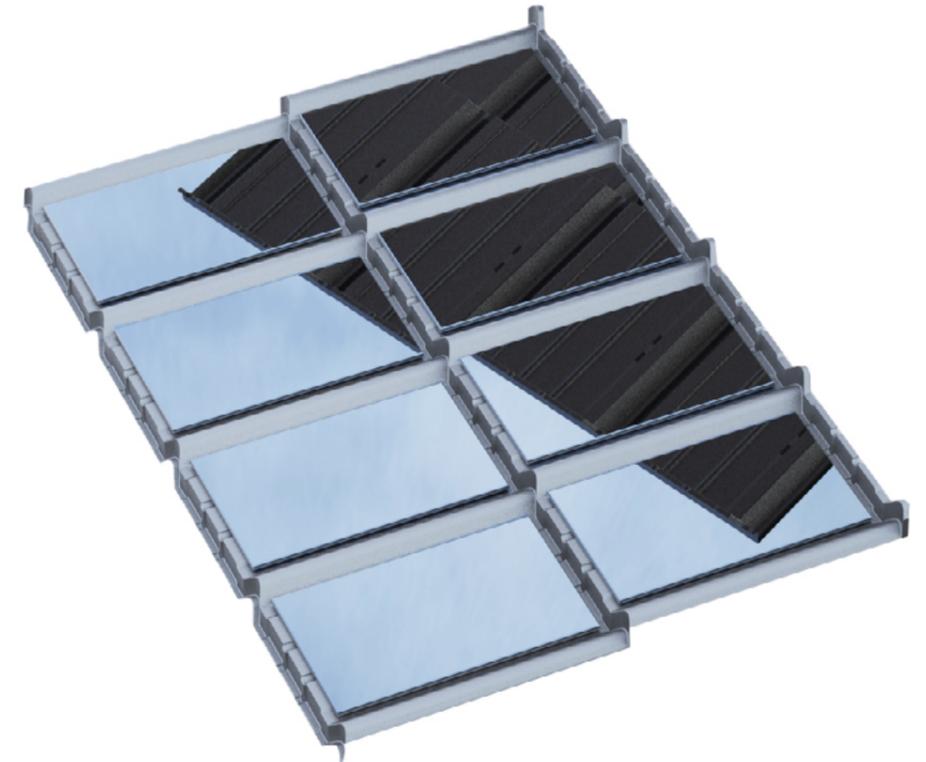
built-in solar solution | aesthetical excellence | fully integrated | improved thermal PV efficiency

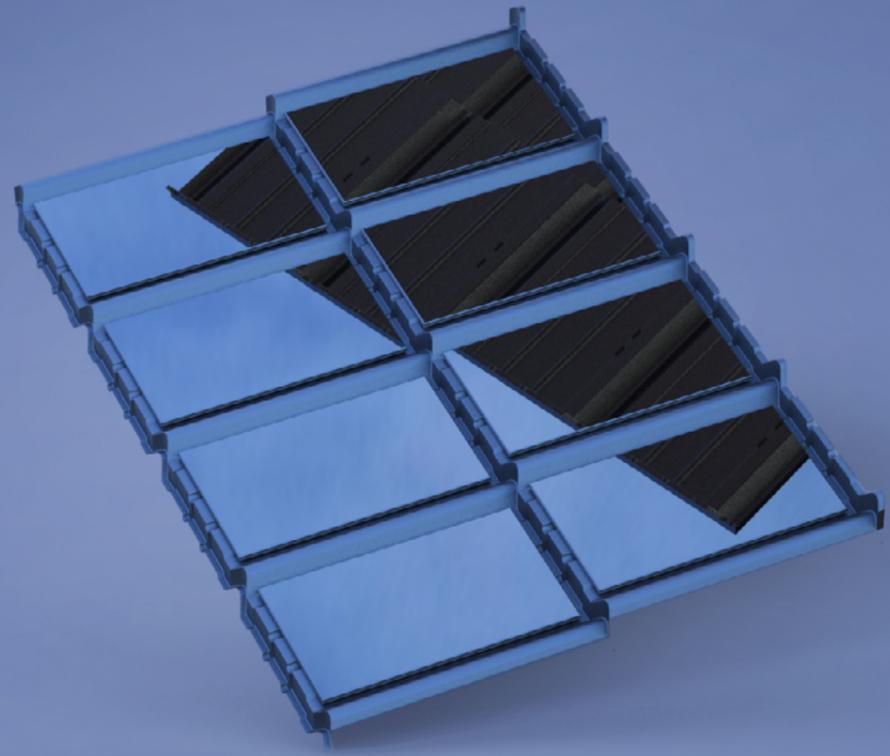
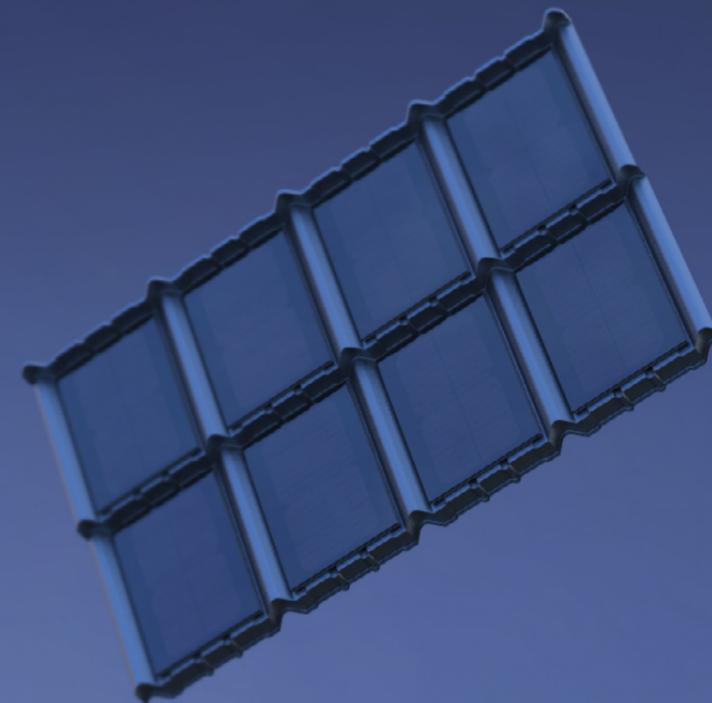
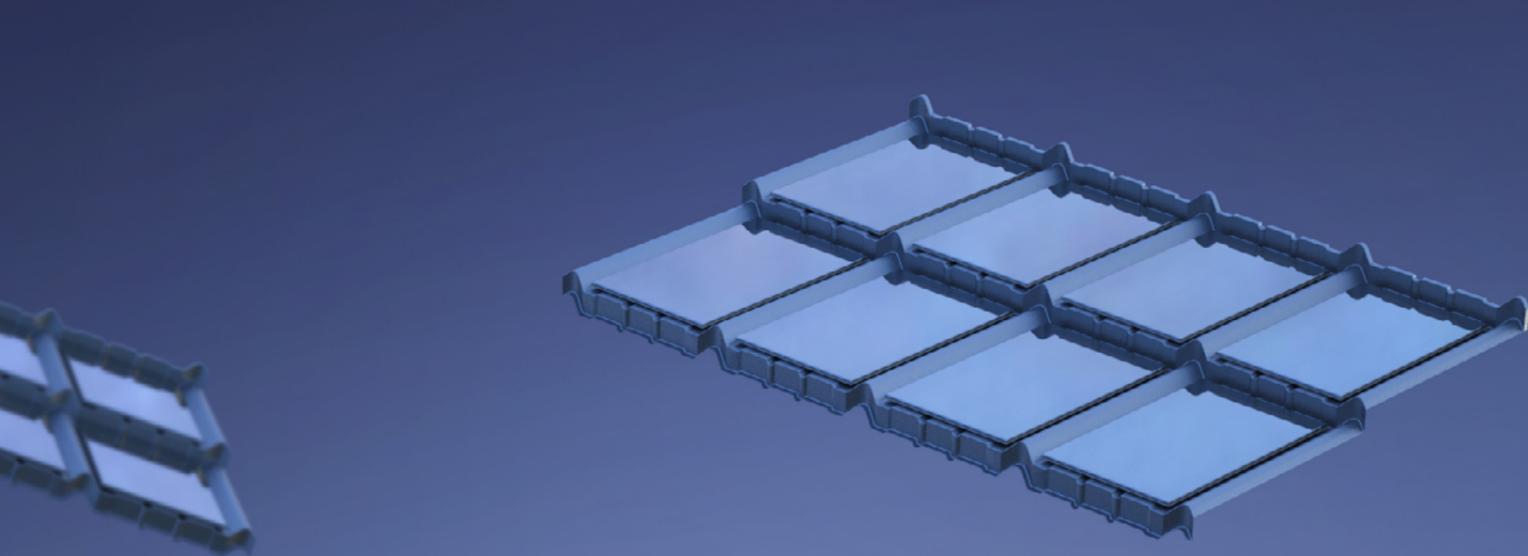
About us

Electrotile is a producer of advanced solutions in the market space of BIPV and smart home for modern buildings. Our experience has developed for over 12 years. During this time, we have installed several thousand photovoltaic installations, which allowed us to create new products based on the real needs of the final customers. Currently, our offer includes mainly products developed by us and produced in Europe, combining ecology, refined engineering solutions, and design kept on the highest level. We strive to spread awareness of how meaningful making power with renewables and other climate-friendly energy resources is. We believe in the long run it will have an enormous and positive impact on our environment.



reddot winner 2021



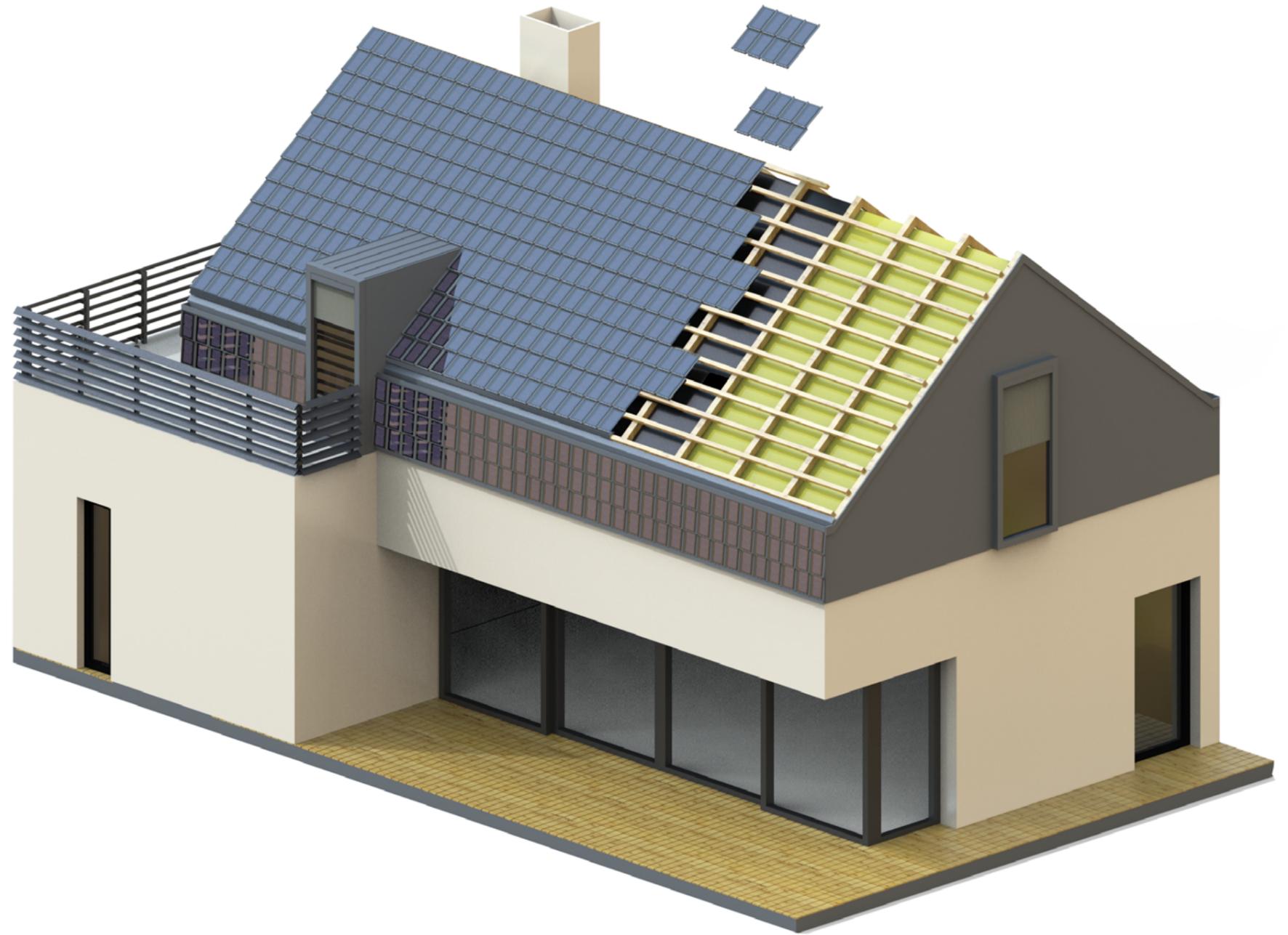


eTILE

A modular metal roof tiles with integrated photovoltaic panels developed by Electrotile. Timeless design and easily adapting to almost any building.

Built-in solar solution

Cover and PV panels in one - saving time and formalities during the construction or replacement of the roof.



Eco solution, reducing emissions, durable for years, easy to recycle.

Cover and PV panels in one - saving time and formalities during the construction or replacement of the roof.

Easy to service thanks to the interchangeability of individual components.

Personalized service and many variants to choose from.

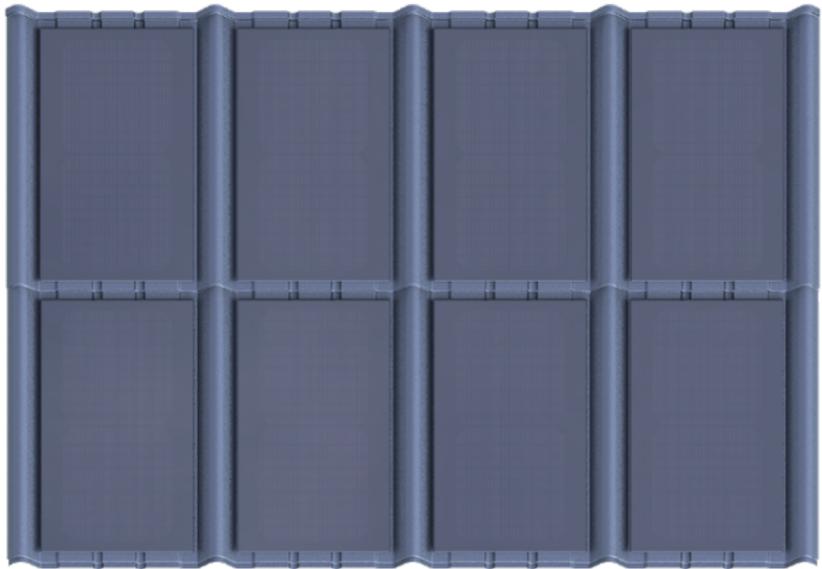
Possibility of installation on various types of buildings: tenement houses, apartment blocks, single-family houses.

The visual consistency of the entire roof, the entire roof can be covered, including the east and west sides.

Aesthetical excellence



Etile integrates a thin photovoltaic panel in a steel roof shingle. The user-friendly panel can be installed on many types of buildings, something that is especially advantageous to homeowners. Furthermore, the combination of two functions within a single two-in-one panel reduces the purchase and installation costs for a photovoltaic system.



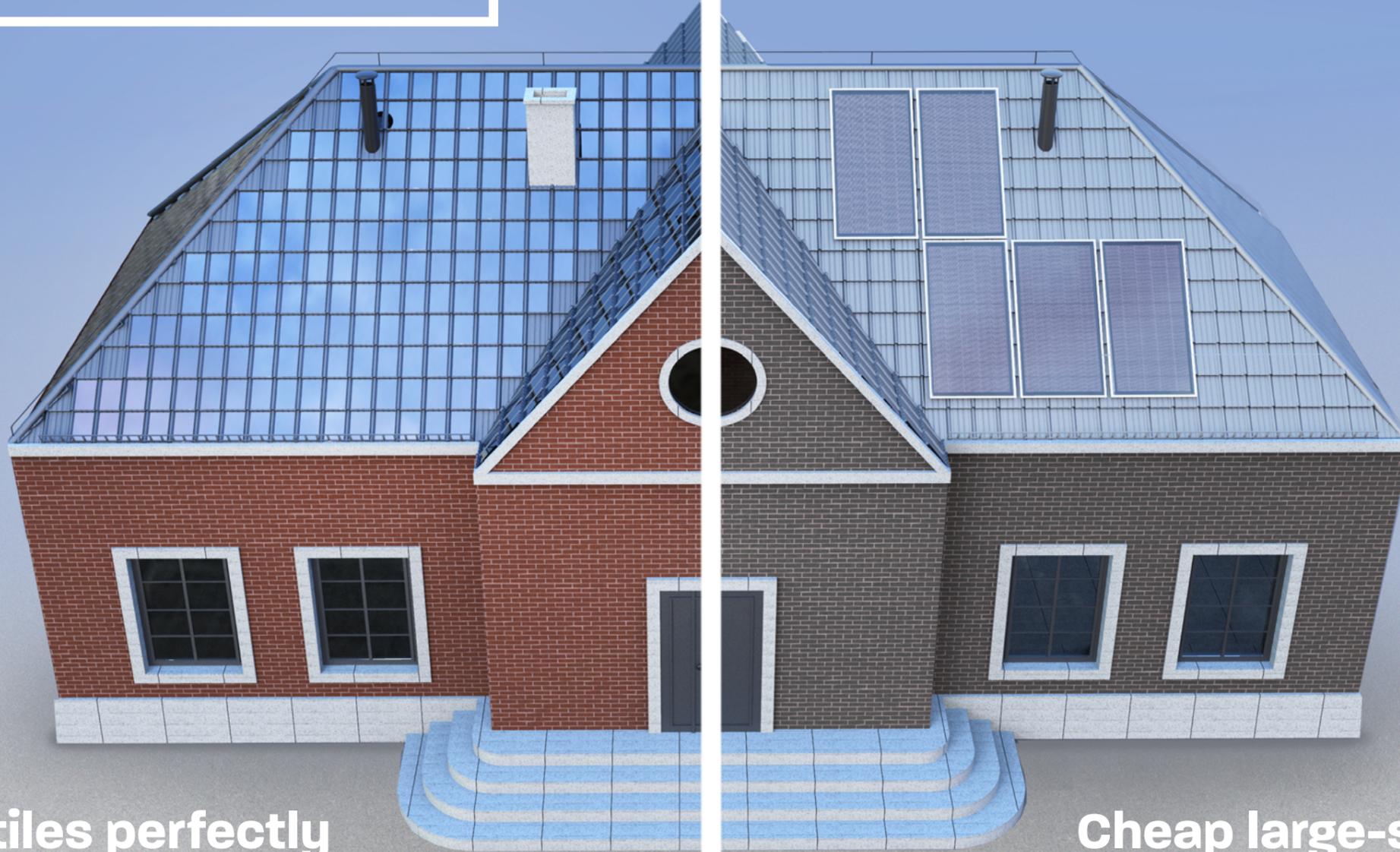
**Complete
system**



Sky reflection that looks different every day

Beautiful substitute for standard PV panels. They suit your home and bring as much energy as standard panels. They also cover full roof space, to bring delightful aesthetics.

**Fully integrated
with regular roof**



**Tile roof tiles perfectly
integrated into the roof
structure.**

**Cheap large-size panels,
disturbing the original
design of the building.**

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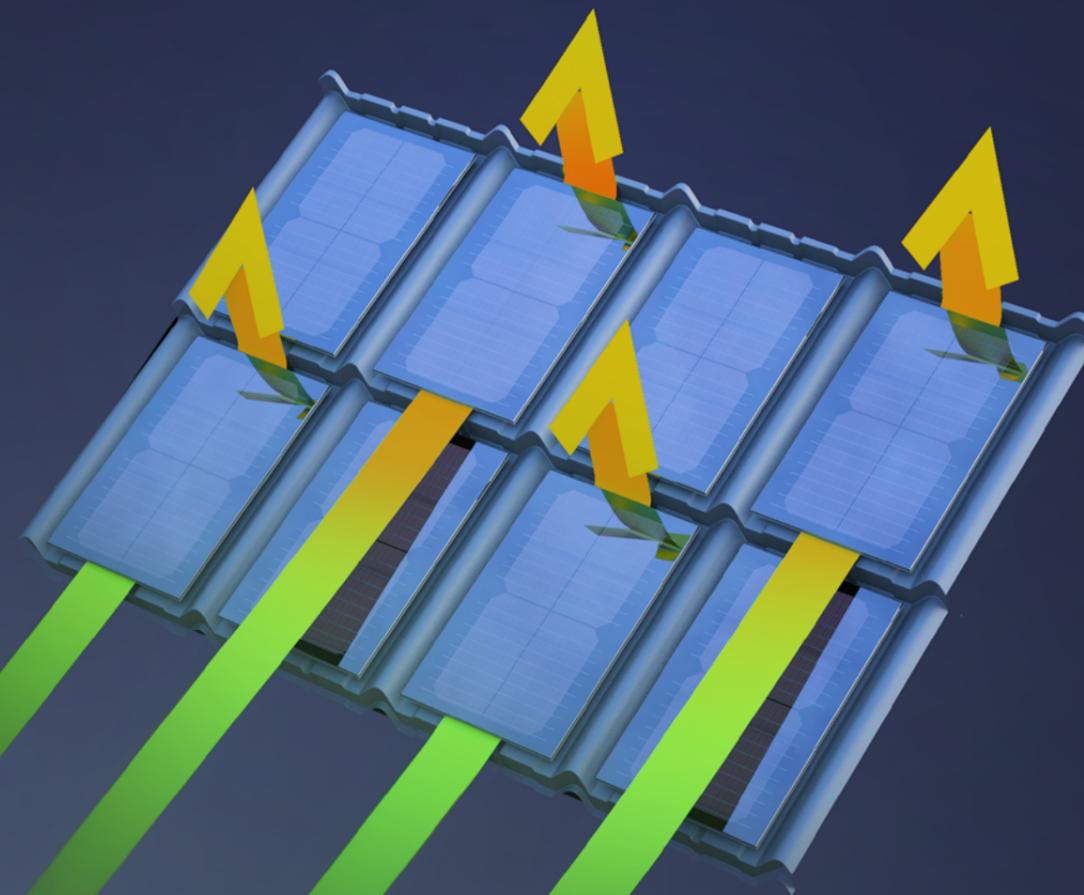
Great for old houses and renovations

Your roofing needs to be replaced? By installing Etile, you will gain not only a new roof, but also an environmentally friendly solution that will also reduce your bills!



Improved thermal PV efficiency

Thanks to the use of micro-panels of a small size and keeping the appropriate distance between layers - Etile does not tend to overheat. Pv modules working at optimal temperature are much more efficient and their life is extended.





**A Solution tailored to
your needs**

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Our solar roof coverage has been designed to meet the expectations of various customers. Etile is a timeless design in a modern form. Our tile perfectly fits for historic buildings and modern architecture giving them a completely new face.



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Price List

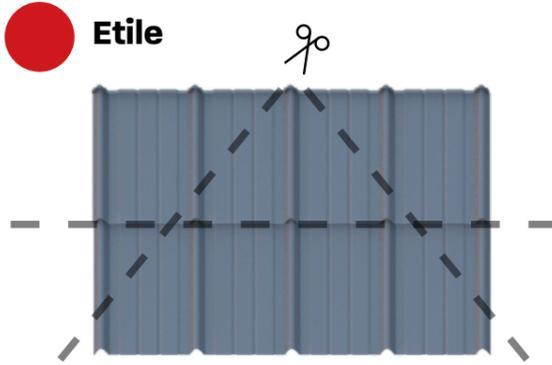
Standard offer

80W Etile Solar



PV8 - € 430

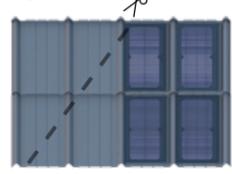
0W Etile



ST8 - € 20

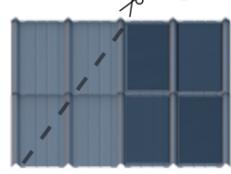
custom products

40W PV sheets (half)



PV4 RIGHT - € 230

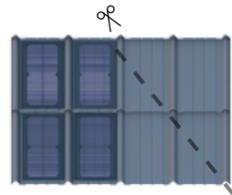
0W glass sheets



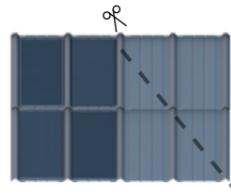
GL4 RIGHT - € 130



GL8 - € 230



PV4 LEFT - € 230



GL4 LEFT - € 130



PV4 BOTTOM - € 230



GL4 BOTTOM - € 130



PV4 TOP - € 230



GL4 TOP - € 130

finishings

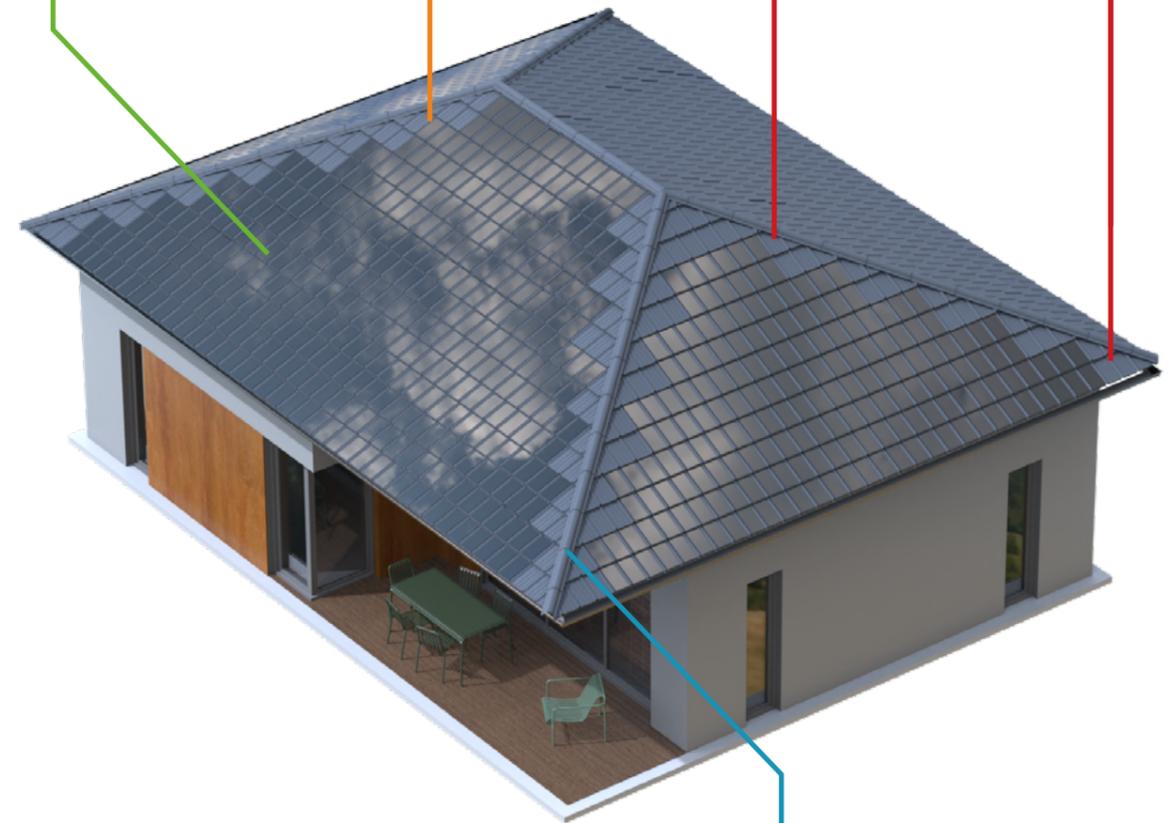


80W Etile Solar
Full size solar module.

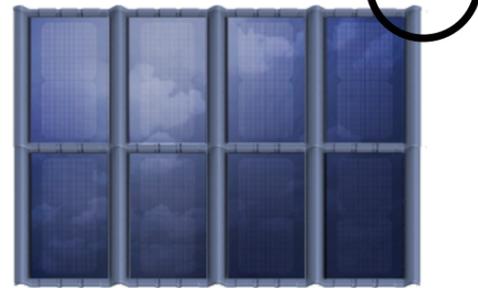
40W Etile Solar Half
Smaller module installed on the edge of the roof or around

0W Etile Metal
Smaller module will fit on the edge of the roof or around the

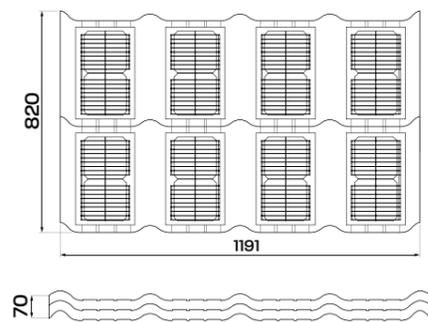
0W Etile Glass
Looks like a solar module but has no cells. Complements



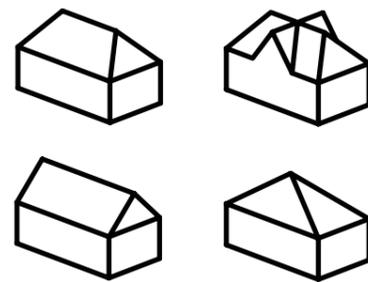
0W Finishings



Dimensions



Roof types



Technical data

Dimensions	1191x820x35mm	Coating	two-layer coverage 50 microns thick
Effective coverage	1157x820mm	Minimum roof slope	12°
Weight	9.3kg	Cable	1m length
Power	80W / 1 m ²	Power tolerance	3%
Sheet	Steel	Type of cells	MonoPerc
Glass	High Transmittance	Junction box	1 bypass diod, IP68, MC4

Colors



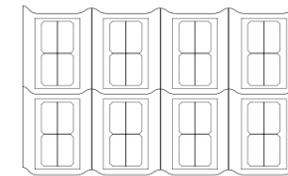
Warranty

PV cells warranty	2 years
Efficiency warranty	95% - first year, 80% after
Coating warranty: (peel off, color differences, cracking etc.)	45 years
Rust through	45 years

Product types

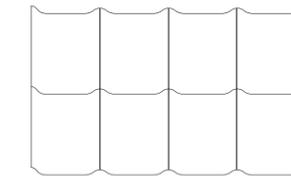
PV sheets

PV8 80W



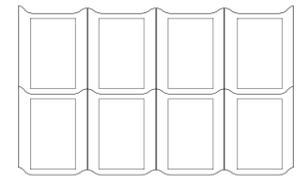
Metal sheets

ST8

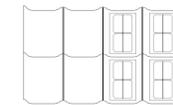


Glass sheets

GL8



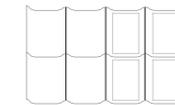
PV4 right



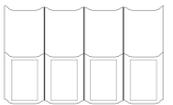
PV4 bottom



GL4 right



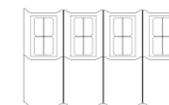
GL4 bottom



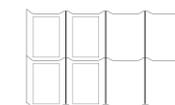
PV4 left



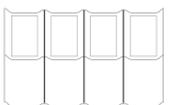
PV4 top



GL4 left



GL4 top



Working conditions

Max system voltage	1000V
Series fuse rating	10A
Mechanical load	5400Pa
Operating	1m
Sheet	-40 +85°C
Application class	A
Fire class	A

Type (STC)

Power output	80W
Max. power tolerance	5%
Max. power tolerance	22.1 %
Max. voltage, Vmppt	17.28 V
Current, Imppt (A)	4.1 A
Voltage open circuit,	21.25 V
Short circuit current, Isc	4.35 A

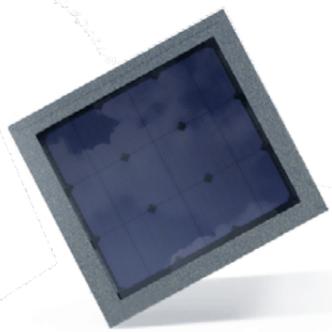
Solar Cell

Solar cel type	Mono-crystalline
Solas cell size	83mm x 166mm
Power output	3.03
Module efficiency	22.1 %
Max. voltage, Vmpp	0.579 V
Current, Impp (A)	5,23 A
Voltage open circuit, Voc	0,66 V
Short circuit current, Isc	5,517 A

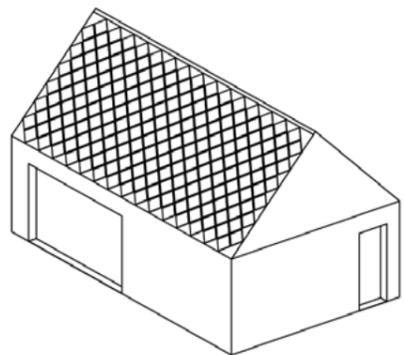
Micro panel

Dimensions	228 x 366mm
Number of solar cels	4x Half Cut 83 x 166 x 166

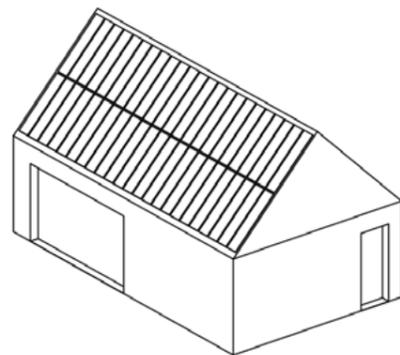
Other products



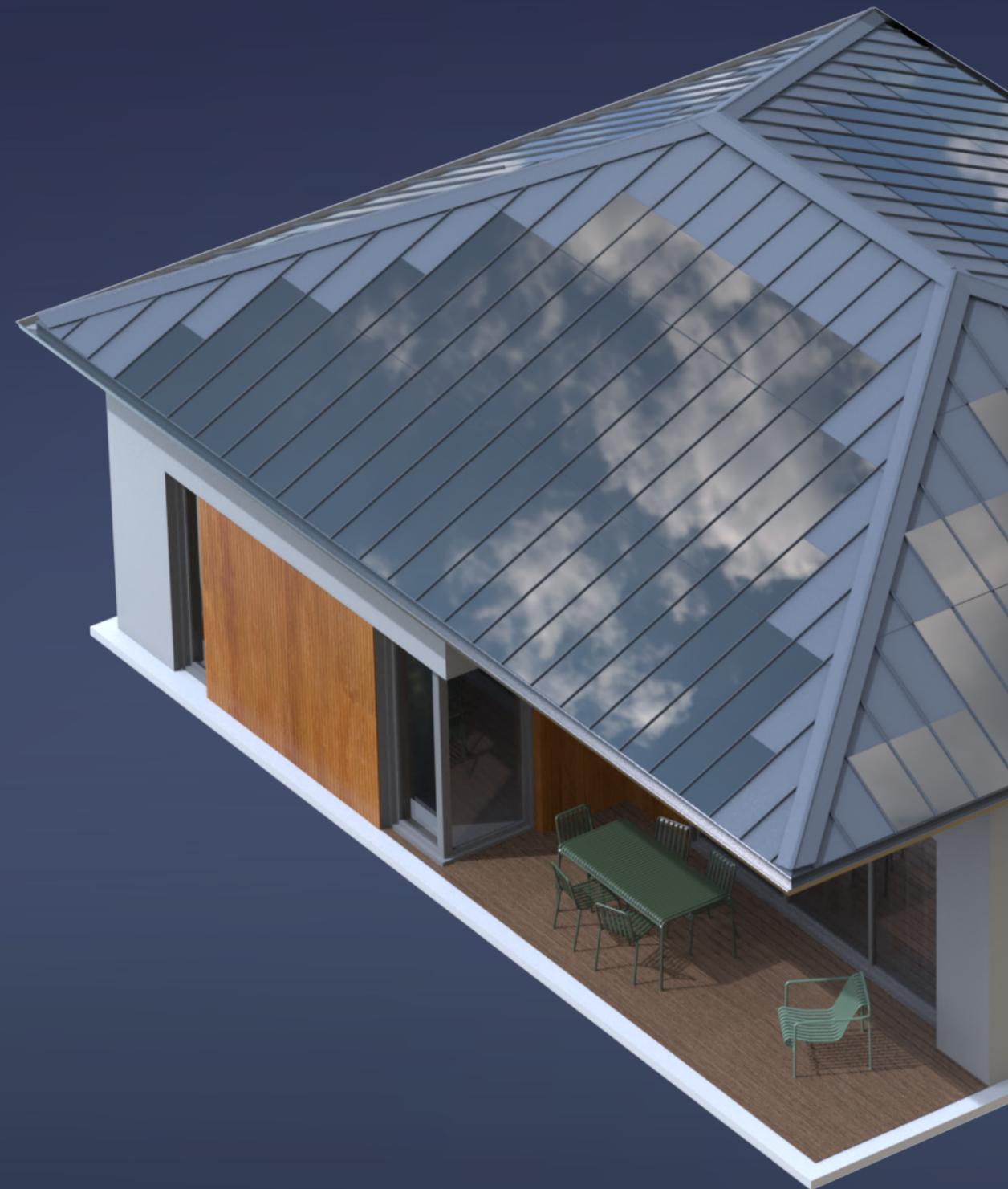
eTile Retro



ETile Flat



**More
details
soon**





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