

CLIMATILETM

Smart and sustainable system
for cladding and roofing.



Build Magazine
Most Innovative Roofing & Cladding Material
2025 - Africa

Fast Company Honoree
Best World Changing idea 2025
Europe, Middle East, Africa

WE'VE
MADE IT!



snap, lock, done!

A clever interlocking system allows the tiles to snap together in minutes, creating a tight, accurate fit that lowers installation costs and helps prevent leaks.



made to last

Locally sourced recycled polypropylene and advanced chemistry deliver fire resistance, structural strength, and long lasting UV durability even under equatorial sun.



ultra-light solar
built for speed and savings

60% faster solar installation
up to 40% cost reduction in structures



under its cool shade

Our material and special pigments provide enhanced insulation saving on energy costs and keeping you happy under its shade.



enjoy clean
rainwater collection

Our material and chemistry are non-toxic

Place your
Climatitle order now!

info@takazuri.com
www.takazuri.com

TAKAZURI[®]



Product Specs

Size:	430 x 420 x 70 mm
Weight:	0.8 Kg
Material:	uses recycled PP
Installation Hardware:	Screws
No. Tiles per sqm:	8
Weight per sqm:	6.24Kg
Minimum Roof Pitch:	15 °

Solar Panel Specs (Electrical)

Max Power:	520
Max Power Voltage:	42.3
Max Power Current:	12.31
Open-circuit Voltage:	49.5
Short-circuit Current:	13.56
Module Efficiency (%):	19.3
Operating Temp:	-40 °C to 85 °C
Max System Voltage:	1500 V DC (IEC)
Max: Series Fuse Rating:	25 A
Application Class:	Class A
Power Tolerance:	0/+5 W

Solar Panel Specs (Mechanical)

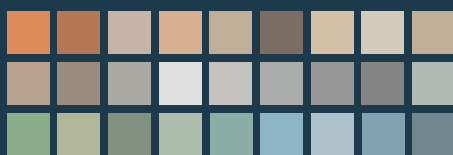
Solar Cell:	Monocrystalline Silicon (182 mm Half Cell)
No. of Cells:	144 (12 x 12)
Module Dimensions:	2246 x 1197 x 2 mm
Weight:	7.7 Kg
Backsheet:	White
Frame:	Frameless
J-Box:	IP 68 Rated
Output Cable:	PV Tech Cable 4.0 mm

Battery (Capacity)

3.8 expandable to 45.6 KWh
Max 4 in series per 5 Kw inverter

Inverter (Power)

5 kW Hybrid inverter
Expandable to 15 kW - Single phase



Available in different colours

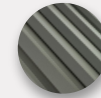
Competitive advantage

Climatile stands out from the competition with its unmatched combination of features. A safe long-term investment in your building project.

Recycled & Recyclability	✓
Ease & Speed of Installation	✓
Light Weight	✓
Long Term Savings	✓
Improved Insulation	✓
Solar Integration	✓
Safe Water Collection	✓
Dismountable	✓



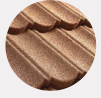
Corrugated Sheets



Clay Tiles



Stone Coated Tiles



✓	✗	✗	✗
✓	✓	✗	✓
✓	✓	✗	✓
✓	✗	✗	✗
✓	✗	✓	✗
✓	✗	✗	✗
✓	✗	✗	✗
✓	✗	✗	✗

Climatile system

Modular building tile + Ultra-light Solar
(includes latest Tier 1 batteries and inverters)

Climatile
Snap-fit modular tile
Engineered to last

Ultra-Light Solar Panels
Frameless solar panels
70% lighter, 95% thinner than glass
Same efficiency and power
as standard Solar Panels

Smart Solar Integration
Light-weight racking
Meticulously engineered for strength, hold, and precise
mechanical incorporation to the tile

