



**The SolarTile™
Series**

E24™

P104E

E24 SolarTile™ series are quality clay tiles fitted with monocrystalline photovoltaics cells.

E24 range of mono-crystalline solar tiles offer an elegant product with its complete accessories for an unmatched performance, efficiency, and reliability all within an affordable investment backed by a second to none performance warranty.

The SolarTile Series



• HIGH EFFICIENCY

Ideal for roofs where space is at a premium or where future expansion might be needed.

• MAXIMUM PERFORMANCE

Designed to deliver the most energy in demanding real world conditions, in partial shade and hot rooftop temperatures.

• PREMIUM AESTHETICS

E24 Elegance and Elegance Black Series panels blend harmoniously into your roof. The most elegant choice for your home.

• ENGINEERED FOR PERFORMANCE, DESIGNED FOR DURABILITY

Engineered for peace of mind
Designed to deliver consistent, trouble-free energy over a very long lifetime.

• WARRANTY

- Power Warranty: 95% in the first 5 years, 0.6% maximum decrease from MODULE's nominal power output per year, ending with the 83% in the 25th year after the defined WARRANTY STARTING DATE.*
- Material and Workmanship Warranty: 10 years

• SolarTile™ Blend into your design

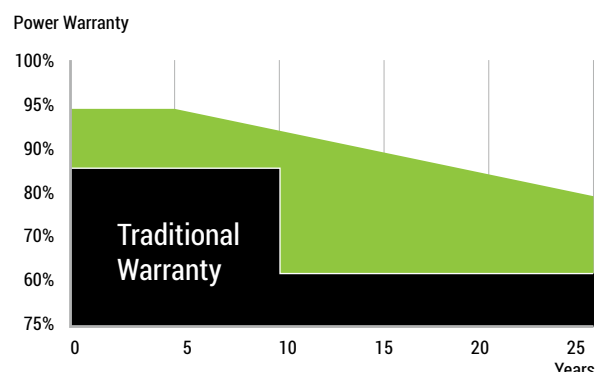
Solar tiles integrated into the roof are invisible when viewed from the street, yet are fully exposed to the sun.

• SolarTile™ roof are more economical

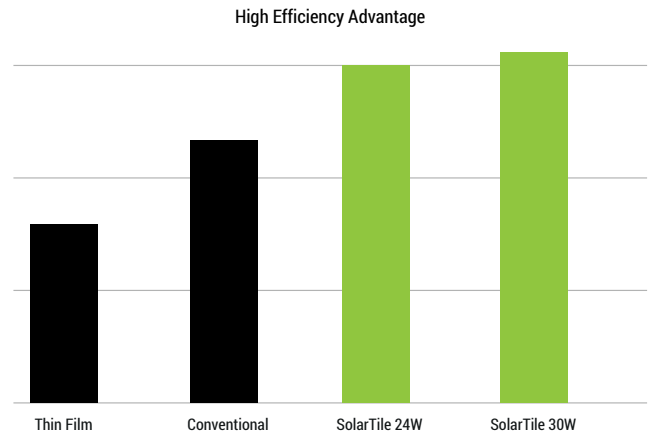
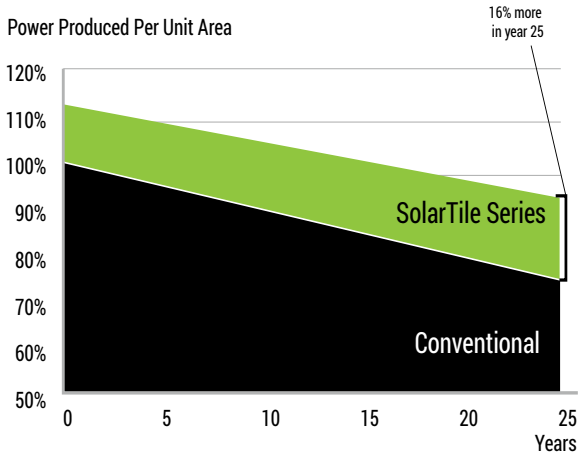
Affordable-Solar power tiles provide a lower overall cost than a traditional roof when combined with projected utility bill savings.

• SolarTile™ are durable and impact resistant

E24 SolarTile™ Series is more resistant than a standard tile. It is extremely durable and impact resistant.



(*) Refer to warranty on solar panels terms and conditions for details



Higher Energy Production

- Produce more energy per rated watt
- High year one performance delivers more energy per rated watt.
- This advantage increases over time, producing more energy over the first 25 years to meet your needs.

High Efficiency Advantage

- Generate more energy per square meter
- The SolarTile™ Series panels convert more sunlight to electricity producing more power per tile and more energy per square meter over 25 years.



Specifications

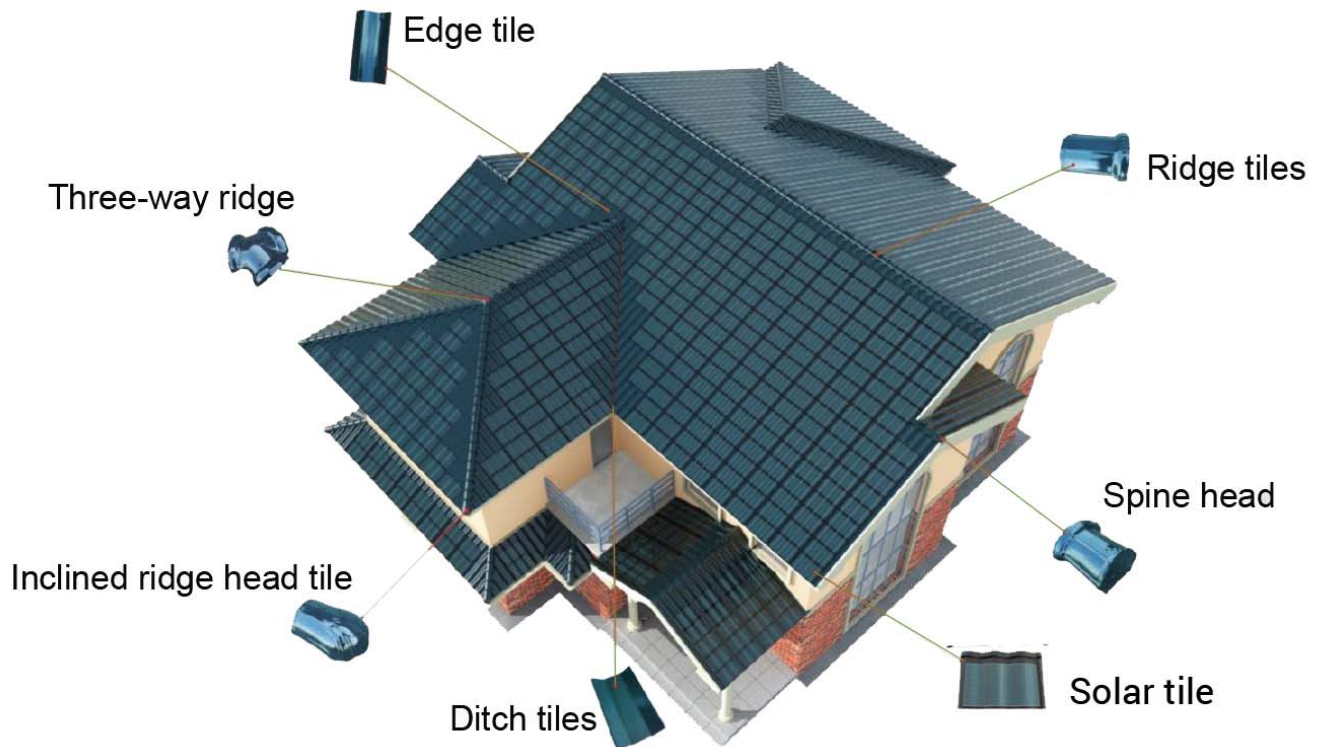
Electrical Characteristics	
	PVTM1-24R-5
Nominal Power	24W
Power Tolerance	+/- 0.7W
Cell Efficiency	17.75%
Rated Voltage Vmpp (Vdc)	2.93
Rated Current Impp (A)	8.2
Open-Circuit Voltage Voc (Vdc)	3.77
Short-Circuit Current Isc (Adc)	5.91
Maximum System Voltage	600V UL ; 1000V IEC
Series Fuse Rating	10A
Power Temp Coef. (Pmpp)	-0.445%/ °C
Voltage Temp Coef. (Voc)	-0.334%/ °C
Current Temp Coef.(Isc)	+0.05%/ °C

Tests and Certifications	
Standard tests	UL 1703, IEC 61215, IEC 61730
Quality tests	ISO 9001:2008, ISO 14001:2004
EHS Compliance	RoHS, OHSAS 18001:2007, lead-free
Ammonia test	IEC 62716
Salt Spray test	IEC 61701
PID test	Potential-Induced Degradation free: 1000V
Available listings	CEC, UL, TUV, MCS

Operating Conditions and Mechanical Data	
Dimensions (mm)	630x452x30
Weight(Kg)	5.2
Solar Cells	6 x(156x156)
Cells type	Monocrystalline
Glass	High Transmission, Low Iron, Tempered Glass 3.2mm, Anti-Reflective
Mechanical Load	Wind: 50 psf, 2400 Pa, 245 kg/m ² front & back Snow: 112 psf, 5400 Pa, 550kg/m ² front
Operating Temperature	-40 to +85 °C
Application Class	A
Type of Connector	Compatible with MC4 plug
Junction Box	IP65 - 3 Bypass-Diodes
Impact Resistance	1 inch (25 mm) diameter hail at 52 mph (23 m/s)
Frame Material	Clay
Water Permeability	<0.5%
Cable Type and Length	2.5mm ² , 600mm
Available Colours	Red, Blue and Grey (Custom Colours on order)

Specifications at 25 degrees C.

Ordering Information



Reference	Description
PVTM1-24R	Mono Crystalline Solar Photovoltaic tile 24Wp (6 cells), 721x500x33 mm Red colour
PVTM1-24G	Mono Crystalline Solar Photovoltaic tile 24Wp (6 cells), 721x500x33 mm, Green colour
PVTM1-30B	Mono Crystalline Solar Photovoltaic tile 30Wp (6 cells), 721x500x33 mm, Black colour
PVTM1-ET	Edge Tile, 247x500mm
PVTM1-RT	Ridge Tile, 200x280mm
PVTM1-DT	Ditch Tile, 230x390mm
PVTM1-TWRT	Three-way Ridge tile, 150x150x15mm
PVTM1-FWRT	Four-way Ridge tile
PVTM1-RHT	Ridge Head Tile, 180x250mm
PVTM1-VT	Valley Tile
PVTM1-LST	L-Shaped Cornich Tile, 140x300mm
PVTM1-HET	Hip end Tile

PV Panels



PV Cabling Kits



PV Mounting Kits



PV Charge
Controllers



PV Inverter



PV Controllers



E24 Modular Range Of Solar Products For Building Easy, Flexible & Evolutive Solutions

E24 products dynamically evolve with the lifestyle and work style of its customers while easing the installation process.

E24 products are conceived in modules allowing for an easy upgrade to adjust with the needs of the customers. Being modular and easy to connect E24 products allow installers to easily configure the required modules for an optimal solution while offering easy upgrade options.

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ISO 9001:2015



QUALITY STANDARD

