



**MONIER™**

**SOLAR**

# Monier **SOLAR**tile

“Power of a great looking roof”



**INTEGRATED MODULAR PHOTOVOLTAIC FLAT TILE SYSTEM**

Integrated Design | Modular System | Installed Solution | 25 Year Output Performance Guarantee | Certified Product



**MONIER™**

Top Cat in Roofing

**CSR**

## How is solar power generated



**Monier has been manufacturing and installing roofs on Australian homes for over 100 years and during that time has led the industry with innovative roofing products designed to meet the needs of our changing environment, lifestyles and architecture.**

**It's this continuous desire to create better roofing systems that has led to the development of the Monier SOLARtile.**

Any photovoltaic solar system allows you to:

- Save money on your energy bills both now and into the future.
- Sustainably fulfill your energy needs with an odour and emissions-free form of energy.
- Use your roof as an additional source of income
- Increase the value of your home.

But only a Monier SOLARtile system has the additional benefits of:

### **Integrated Design**

Monier SOLARtiles integrate seamlessly into your flat profiled roof, minimising its visual impact. So even if your home faces north, its street appeal will not be compromised.

1. Renewable clean energy from the sun.
2. Monier SOLARtile collects the energy from the sun and converts it to DC electricity.
3. An Inverter converts DC current to regular household electricity to run your appliances.
4. Any excess power generated by your system is sent back to the grid. If you need more power than your system generates the grid will provide it.



□ Unlike 'Bolt-on' systems, **Monier SOLARtiles** are designed to work seamlessly with the entire range of contemporary Monier flat roof tiles - Horizon, Madison, Cambridge and Georgian. For more information on profile and colour options visit: [monier.com.au](http://monier.com.au)

## Modular System

Being a tile based modular system, it is able to capitalise on smaller sections of your roof to optimize the energy production.

## Structural Integrity

Unlike traditional bolt-on systems, the impact on the natural wind flow around the roof is minimized hence wind pressures and debris build-up around the system is reduced. Also, there is no need to cut, grind or drill through your existing roof during installation.

## Installed Solution

Monier has the knowledge to professionally install your SOLARtiles from delivery to final connection. We can even manage the STC rebate, so you can get on with more important things.



**MONIER**<sup>TM</sup>  
SOLAR

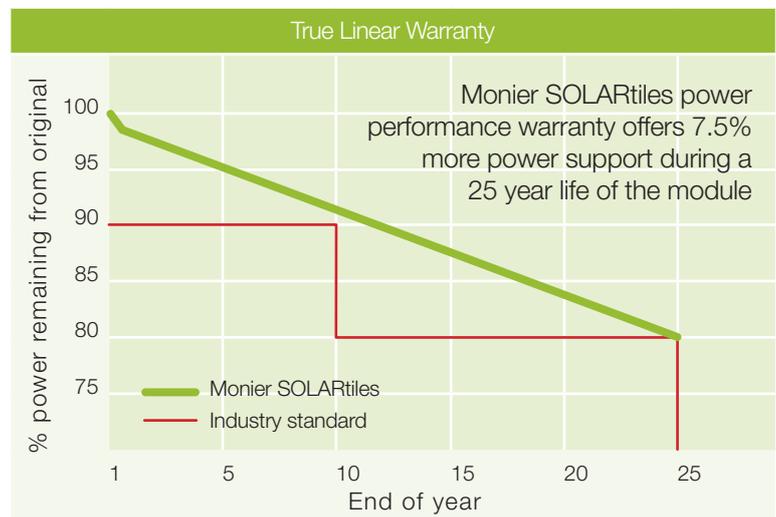
# Product Specifications

MonierSOLARtile	
Max Power	33W
Power Tolerance	3%
Max Power Voltage	4.1V
Max Power Current	8.05A
Open Circuit Voltage	5.04V
Short Circuit Current	8.6A
Encapsulated Cell Efficiency	17.3%
Cell Technology	Monocrystalline
Cell Size	156 x156 mm
Junction Box	IP65, 1000VDC
Connector	Type IV
Bypass Diodes	1 per tile
Operating Temperature	-40° C + 85° C



## 25 Year Output Performance Guarantee

As a division of CSR, one of Australia's oldest and largest building materials companies, you can be reassured that Monier's SOLARtile system has been engineered to keep providing electricity for the long term. In fact we guarantee the output performance of your Monier SOLARtile system for 25 years\*.



\*please see the terms and conditions of the warranty for details

## Certification

- IEC 61215:2005-04  
Certificate number IT-ICIM0027-12
- IEC 61730:2004-10
- IEC 61730-2:2004-10
- Australian Standard AS5033
- CEC approved
- Member of Clean Energy Council
- Member of Australian Solar Council



Clean Energy Council  
MEMBER



AUSTRALIAN  
SOLAR COUNCIL  
THE NATIONAL VOICE OF SOLAR  
Member

**For FAQs about Monier SOLARtiles visit:**  
[monier.com.au/Tiles/SolarTile/Default.aspx](http://monier.com.au/Tiles/SolarTile/Default.aspx)

Integrated Design | Modular System | Installed Solution | 25 Year Output Performance Guarantee | Certified Product



**For more information or to arrange an obligation free quote call 1300 85 SOLAR (7652)**  
**visit:** [monier.com.au](http://monier.com.au) | **email:** [moniersolartiles@csr.com.au](mailto:moniersolartiles@csr.com.au)

CSR Monier 10 Grand Ave, Rosehill, NSW 2142

