

BRISTILE SOLAR & BATTERY SOLUTION

*the smart solar roofing
and energy management system*



THE BRISTLE SOLAR SYSTEM

*The Bristle Solar roofing and energy management system
has four key components.*



SOLAR CELLS

Capture clean energy

The smart energy saving solution.
Solar technology captures energy and is available
within stylish integrated tiles or traditional panels.



THE INVERTER

Create power from energy

Converts and delivers AC power to your power
points, powering your household devices.



BATTERY POWER STORAGE

***Harness your power,
use it when you need it most***

Optional with selected packages. Allows you
to store and use generated power for your home
rather than sending it back to the grid.



SMART MONITORING AND COMMUNICATION

Greater energy management control

Enabling you to see the power generated
and optimise your solar system to minimise
your power consumption.

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A BEAUTIFUL AND SMART WAY TO SAVE



SOLAR TILES
& PANELS



SOLAR
INVERTER



BATTERY
STORAGE



MONITORING
PACKAGE



Introducing Australia's best solar roofing and energy management solution to cut your energy bills. Bristile Solar brings together the latest in clean energy, solar and battery technology to our stylish and durable roof tile range. Your best investment for now and the future.





SAVINGS. MONEY IN THE BANK FROM DAY ONE

*Install a Bristile Solar battery and smart energy
management system to start generating your own power
and reduce energy costs from day one[^].*

[^] Please use the Bristile savings calculator at bristlesolar.com.au to determine your estimated savings
based on your own conditions and usage scenario.

How much can you save? Here's a few examples of the incredible savings when you combine our solar and energy management system investment with an average energy bill.*

House of 2 people Metropolitan area in NSW

Estimated annual savings

\$1510

System
recommendation

3^{kw}

Sonnen battery
recommendation

4^{kWh}

House of 4 people Metropolitan area in NSW

Estimated annual savings

\$2423

System
recommendation

5^{kw}

Sonnen battery
recommendation

8^{kWh}

**THE SAVINGS STACK UP.
OUR ENERGY SAVINGS
CALCULATOR AT
BRISTILESOLAR.COM.AU
WILL SHOW YOU HOW
MUCH YOU CAN SAVE**

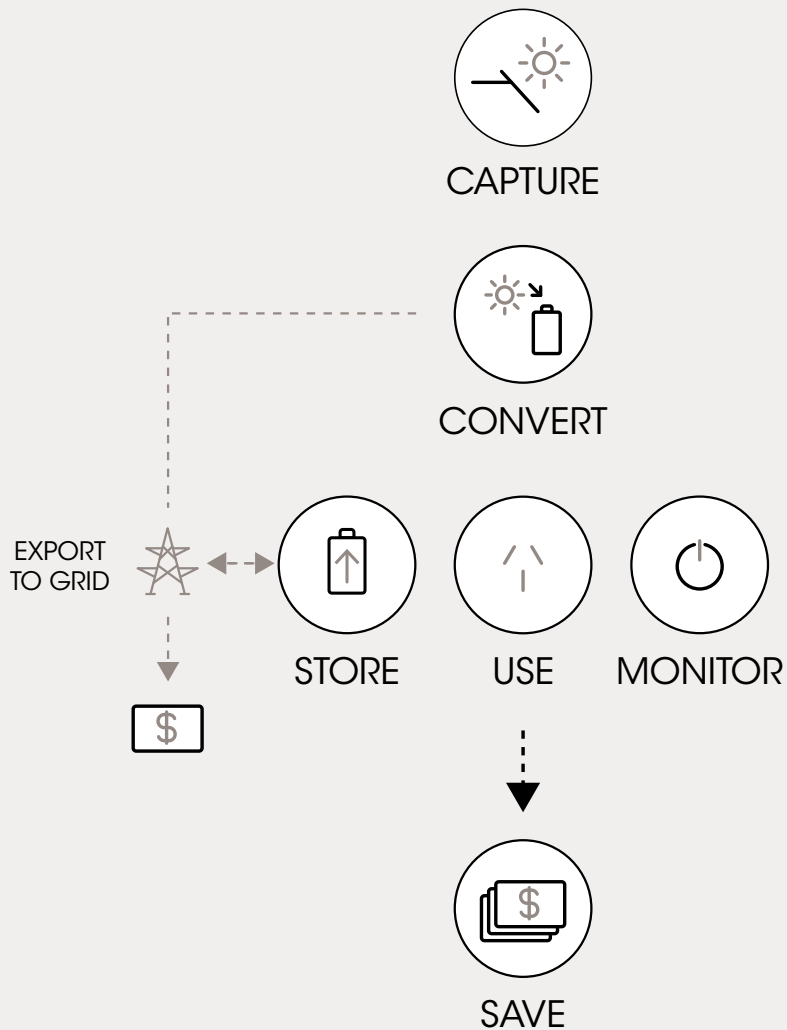
* All figures noted above are based on average energy price savings for Sydney, New South Wales with a feed in tariff of 11.5c/kW and 85% energy consumption and 15% export to the electricity grid. The figures are based on a 4 bedroom/4 person house with pool using a 5 kw solar and 6 kWh battery system and annual energy use of 9,672.5 kWh. The figures for 2 people are based on a 2 bedroom/2 person house with pool using a 3 kw solar and 4 kWh battery system and annual energy use of 7,957 kWh for. Please note that actual savings achieved will vary based on electricity pricing in each state and individual energy use together with general circumstances.



SMART. INTEGRATED TECHNOLOGY

Invest in renewable energy and install a solar cell and energy management system in your home using sonnen's superior battery storage and monitoring technology.

You can reduce or even eliminate your future power bills, minimise the impact of increasing energy costs and increase the value of your home. Now that's clever.



HOW IT WORKS

The solar cells capture energy from the sun and turn it into electricity, which is passed through the inverter and converted into a form that you can use to power your home.

By storing your own power and not returning power to the grid, you are in control of how much power you use, pay and save.

INTEGRATED SOLAR TILE PACKAGES



SOLAR TILE SYSTEM

SOLAR TILE AND BATTERY SYSTEM

2^{kW}

STANDARD *Solar Tile System*



ROOF TILE RANGES

Planum ceramic or Prestige concrete integrated solar tiles

10 Year Warranty*



FRONIUS INVERTER

10 Year Warranty*



STANDARD MONITORING

Offers wireless local area network connection, Energy Management, and the ability to monitor through mobile devices.

3^{kW}

STANDARD PLUS *Solar Tile System*



ROOF TILE RANGES

Planum ceramic or Prestige concrete integrated solar tiles

10 Year Warranty*



FRONIUS INVERTER

10 Year Warranty*



STANDARD MONITORING

Offers wireless local area network connection, Energy Management, and the ability to monitor through mobile devices.

3^{kW}

PERFORMANCE *Solar Tile System*



ROOF TILE RANGES

Planum ceramic or Prestige concrete integrated solar tiles

10 Year Warranty*



SONNEN INTEGRATED INVERTER

10 Year Warranty*



SONNEN STORAGE SYSTEM

4 kWh – Standard

6 kWh – Upgrade

10,000 Cycle Life Warranty*



ADVANCED MONITORING

Offers an ethernet connection, Energy Management, and the ability to communicate with user. The integrated solar system and electricity grid + system monitors adapt to best suit individual consumption and to minimise energy costs.

5^{kW}

OPTIMUM *Solar Tile System*



ROOF TILE RANGES

Planum ceramic or Prestige concrete integrated solar tiles

10 Year Warranty*



SONNEN INTEGRATED INVERTER

10 Year Warranty*



SONNEN STORAGE SYSTEM

6 kWh – Standard

8 kWh – Upgrade

10,000 Cycle Life Warranty*

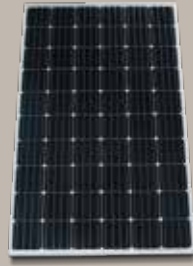


ADVANCED MONITORING

Offers an ethernet connection, Energy Management, and the ability to communicate with user. The integrated solar system and electricity grid + system monitors adapt to best suit individual consumption and to minimise energy costs.

* Please see warranty on the Bristile Roofing website for full terms and conditions.

TRADITIONAL SOLAR PANEL PACKAGES



SOLAR PANEL SYSTEM

SOLAR PANEL AND BATTERY SYSTEM

<div><div>2^{kw}</div><div>STANDARD <i>Solar Panel System</i></div></div>	<div><div>3^{kw}</div><div>STANDARD PLUS <i>Solar Panel System</i></div></div>	<div><div>3^{kw}</div><div>PERFORMANCE <i>Solar Panel System</i></div></div>	<div><div>5^{kw}</div><div>OPTIMUM <i>Solar Panel System</i></div></div>
<div><div></div><div>SUNTECH SOLAR PANEL Traditional roof top installed solar panels 12 Year Warranty*</div></div>	<div><div></div><div>SUNTECH SOLAR PANEL Traditional roof top installed solar panels 12 Year Warranty*</div></div>	<div><div></div><div>SUNTECH SOLAR PANEL Traditional roof top installed solar panels 12 Year Warranty*</div></div>	<div><div></div><div>SUNTECH SOLAR PANEL Traditional roof top installed solar panels 12 Year Warranty*</div></div>
<div><div></div><div>FRONIUS INVERTER 10 Year Warranty*</div></div>	<div><div></div><div>FRONIUS INVERTER 10 Year Warranty*</div></div>	<div><div></div><div>SONNEN INTEGRATED INVERTER 10 Year Warranty*</div></div>	<div><div></div><div>SONNEN INTEGRATED INVERTER 10 Year Warranty*</div></div>
<div><div></div><div>STANDARD MONITORING Offers wireless local area network connection, Energy Management, and the ability to monitor through mobile devices.</div></div>	<div><div></div><div>STANDARD MONITORING Offers wireless local area network connection, Energy Management, and the ability to monitor through mobile devices.</div></div>	<div><div></div><div>SONNEN STORAGE SYSTEM 4 kWh – Standard 6 kWh – Upgrade 10,000 Cycle Life Warranty*</div></div>	<div><div></div><div>SONNEN STORAGE SYSTEM 6 kWh – Standard 8 kWh – Upgrade 10,000 Cycle Life Warranty*</div></div>
		<div><div></div><div>ADVANCED MONITORING Offers an ethernet connection, Energy Management, and the ability to communicate with user. The integrated solar system and electricity grid + system monitors adapt to best suit individual consumption and to minimise energy costs.</div></div>	<div><div></div><div>ADVANCED MONITORING Offers an ethernet connection, Energy Management, and the ability to communicate with user. The integrated solar system and electricity grid + system monitors adapt to best suit individual consumption and to minimise energy costs.</div></div>

BRISTLE INTEGRATED SOLAR TILES



STYLE. LET YOURS SHINE

*With Bristile Integrated Solar Tiles, solar power can be your little secret.
Your sleek and stunning roof profile won't be spoilt by large format panels,
giving a streamlined look to your entire home, integrated with your choice from
the available range of beautiful, enduring Bristile Roof tiles.*



AUSTRALIA'S BEST QUALITY INTEGRATED SOLAR TILES

Our customers expect the best in performance and style from our products.

Bristile Solar is no exception. You'll be getting solar power from a roof that will generate power for 25 years - guaranteed, and for a 10 year period we guarantee the structural integrity of our integrated solar roof tiles**.*

Integrated solar roof tiles are made from 45 Watt Suntech premium monocrystalline cells and low iron, hail resistant tempered glass, with designs available to suit your choice of two roof tile profiles, ceramic or concrete.



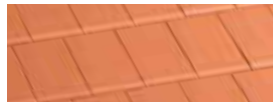
* For the 25 year performance warranty period we guarantee the solar cells continue to produce power at 80% of its full power generation capabilities. **Please see warranty on the Bristile Roofing website for full terms and conditions.

CHOOSE A ROOF TILE THAT BRINGS STYLE AND DURABILITY

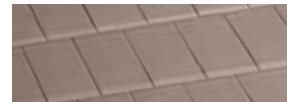
The roof is one of the most important surface areas of your home, impacting the overall style, durability and energy efficiency of your home. For this reason the choice of roofing material is paramount to creating a beautiful, lasting home.

PLANUM CERAMIC TILES *for everlasting beauty*

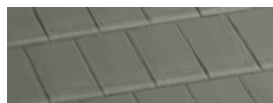
Crafted in colours that will never fade, finely formed to create a refined finish, ceramic roof tiles epitomise class and style. The pinnacle in roofing, ceramic roof tiles have the highest quality colours and finishes in the Australian market.



Roja



Turron



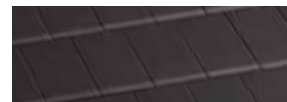
Wallaroo



Truffle



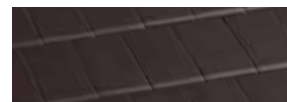
Baltic



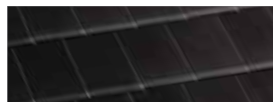
Slate



Blackstone



Cocoa



Caviar

PRESTIGE CONCRETE TILES** *for a look of distinction*

Concrete roof tiles are Australia's favourite roofing material. Strong, durable and available in modern shapes and tones, concrete roof tiles are available in designs to suit any style and come with the assurance of long lasting and vibrant colours.



Lithium**



Palladium



Mercury**



Titanium



Tungsten



Radium



Carbon^



Carbide^

** These colours are only available in Queensland, New South Wales and Australian Capital Territory. ^ These colours are only available in Victoria.

** Not available in Western Australia

COMING SOON
DECEMBER 2017

SOLAR CELLS

BRISTLE TRADITIONAL SOLAR PANELS



AUSTRALIA'S BEST QUALITY TRADITIONAL SOLAR PANELS

Bristile Traditional Solar Panels are attached to a frame which is then attached to an existing roof structure to secure it in place. The solar panels are made from premium Suntech monocrystalline cells with low iron, hail resistant tempered glass, each delivering 300 watts.

Our customers expect the best in performance and style from our products.

Bristile Traditional Solar Panels are no exception. You'll be getting solar power from a solar panel that has a product warranty of 25 years, guaranteed.*

All Bristile Traditional Solar Panels are supplied by Suntech, the world's premier solar manufacturer and a leader in solar technology development.



* For a 12 year period we guarantee the solar cells* in our traditional solar solutions will remain structurally sound and free of defects. For a 25 year period we guarantee the solar cells continue to produce power at 80% of its full power generation capabilities.

Please see warranty on the Bristile Roofing website for full terms and conditions.

SUPERIOR INVERTERS





CONVERT POWER. FRONIUS AND SONNEN

A solar inverter is a device that transforms DC battery or solar panel power into mains type AC power; suitable for use by regular appliances. A solar inverter is an integral part of a system, but attention to this aspect is often overlooked. You can have the best solar panels available, but if your solar inverter is of poor quality, overall system performance can be greatly impacted.



Fronius Inverter Primo

Optimised energy management for the home

*Suitable for Power categories
3.0 to 8.2 kW*

The Fronius Primo is a single-phase inverter making it ideal for the home environment.

Its innovative SuperFlex Design provides enhanced system design, while its simple mounting system streamlines the installation and maintenance process. Its extensive¹ inbuilt communication package interfaces with the user, the PV system and the grid, providing optimal control of energy management within the home.

¹WLAN +

Fronius Inverter Symo

Scalable energy management solution

*Suitable for Power categories
3.0 to 20.0 kW*

The Fronius Symo is a transformerless, three-phase inverter for an environment of any size. Its wide input range and two maximum power point trackers ensure optimal design flexibility. Its Fronius smart design makes it effortless to install.

Its standard inbuilt communication package interfaces with the user, the PV system and the grid, providing optimal control of energy management providing optimal control regardless of scale.

²WLAN or Ethernet

sonnen Battery Integrated Inverter

Maximise energy efficiency and performance

The sonnen Battery Integrated Inverter meets your energy requirements by delivering significant power conversion for your home. sonnen inverters offer the competitive edge by allowing you to increase your solar and battery system capacity without the need to upgrade your inverter. sonnen's European manufactured home battery storage system incorporates one of Australia's best performing inverters. The system is rigorously tested and embodies traditional European standards in superior performance and longevity.

*Fronius 10 year warranty is based on customers receiving the standard 5 Year warranty from Fronius and by the warranty holder claiming a 5 Year warranty extension within 30 months of the warranty product being dispatched by Fronius. The warranty extension is claimed by registering the warranty product together with its serial number at www.solarweb.com

[^] the Fronius Inverter - Primo is available with single phase 'Standard' and 'Standard Plus' solar systems.

^{**}the Fronius Inverter - Symo is available with 3 phase 'Standard' and 'Standard Plus' solar systems

SONNEN BATTERY STORAGE





SONNEN. SMART BATTERY AND STORAGE TECHNOLOGY

More than just a battery, sonnen is one of the world's leading intelligent residential energy storage systems that automatically adjusts to the energy usage of your home. Battery storage optimises the performance of your solar energy management system by allowing you to store and use power in peak periods to reduce energy costs.



sonnen battery storage system capacities

4^{kWh}

6^{kWh}

8^{kWh}

10^{kWh}

It is important to view the full range of battery characteristics before making your selection. Battery size (kWh) for instance is not a great determinant of performance and power generation as a smaller battery can easily outperform a larger battery if:

- it offers a larger cycle life (meaning it is capable of delivering more kWh per day for charging and recharging)

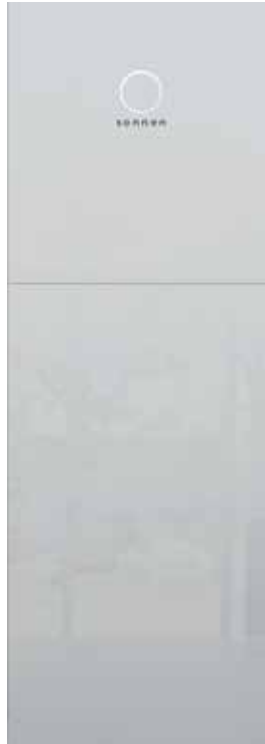
- has better depth of discharge (meaning it can discharge its full kWh capacity)
- offers more cycles per day (meaning the number of times it can collect and release power in a 24 hour period).

Please contact your Bristile Solar expert to assist you in choosing a system to meet your energy usage requirements.

* Larger batteries up to 16 kWh are available for larger solar systems.
Please see warranty on the Bristile Roofing website for full terms and conditions.

HARNESS YOUR ENERGY





Put it to work when you need it most

Your battery choice is influenced by your solar cell capacity and your energy output and storage needs, but there are additional considerations to keep in mind when making comparisons. You need to look at the cost of energy storage per kWh, the battery life cycle (i.e. how many times a battery can continuously store and release energy), its depth of discharge (i.e. how much battery power is stored and released in one use cycle?) and its power density (i.e. the rate that energy can be drawn from the battery).

sonnen's superior battery performance means the battery can cycle 2.7 times per day at 100% discharge.

A warranted cycle life of 10,000 cycles is unprecedented in the solar battery industry. A combination of outstanding battery performance with a lower cost of storage over a much longer period of use translates to long-term savings in both money and energy.

Designed with a Lithium Iron Phosphate composition LiFePO_4 , the sonnen battery offers extended lifetime guarantee and optimised power density. Not only are they practically silent when running but they are inherently safer

than the more common Lithium Ion batteries which contain Cobalt, Cadmium and Magnesium and are commonly found in consumer electronics and standard vehicles.

sonnen battery features

- No thermal runaway
- No outgassing
- External isolation
- Internal safety fuse
- Individual battery management system
- No Cobalt or Cadmium used in construction

All sonnen battery and inverter systems are available in single phase and three phase options meaning you can select a system to suit your specific power needs.

Life cycle and safety guarantee

sonnen batteries come with a 20-year Product Design Life and are designed to reach a minimum of 10,000 cycles. To date, in excess of 150 safety tests have been conducted to confirm the systems outstanding performance.

STANDARD MONITORING





FRONIUS. INTEGRATED SMART MONITORING

With the Fronius monitoring technology package you receive real time data on how your system is performing, how much energy is generated, and how you can optimise your system to reduce grid energy reliance.



Standard monitoring package

Our Standard system provides real time information for :

- Energy Production and habits
- Wireless local area network connection
- Energy Management
- The standard monitoring technology system communicates with the user, integrated solar system and the electricity grid

Displaying, analysing and archiving PV system data

With the online monitoring tools from Fronius, the system data is available in an engaging format at any time, whether on the computer in the office, on your smartphone when you are on the road, or on your tablet at home. Intelligent analysis functions are included as a reliable means of preventing yield losses. Fronius also offers attractive solutions for local data displays.

Function and yield at a glance

The Fronius DATCOM provides data communication solutions for photovoltaic systems, ensuring reliable

system monitoring and straightforward integration into other systems. The hardware is quick to install and the software is intuitive to use. The solutions can be adapted to individual needs and extended at any time.

Data Logger

Data recording and archiving for photovoltaics is an important tool for controlling the functionality and yield of a PV system. The Fronius Datalogger is the heart of a photovoltaic system. It represents the interface between the inverter and the PC – it collects and processes data for use with the Fronius Solar access software.

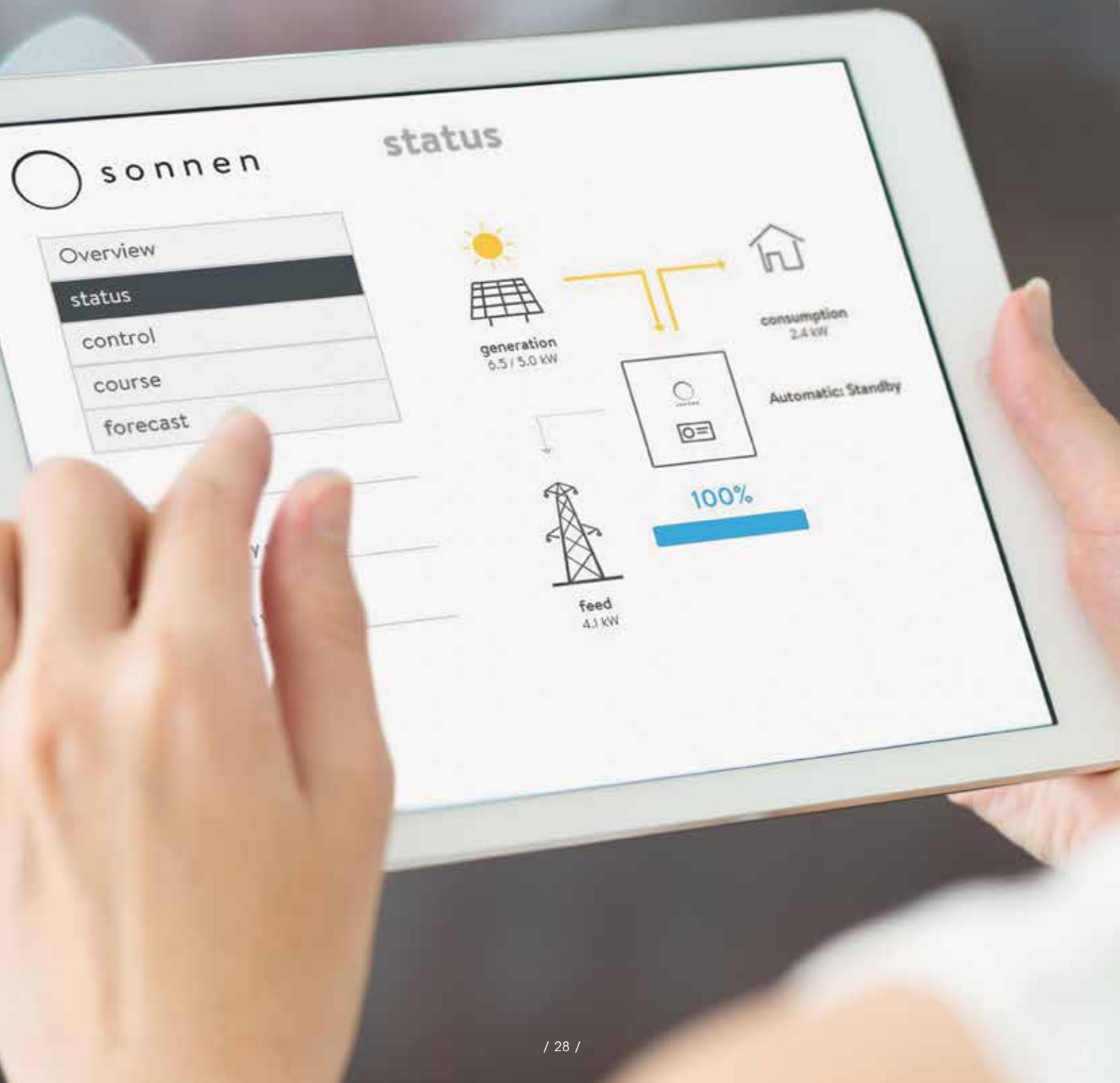
The Datalogger can also be used for remote monitoring. Fronius offers the right product for every PV system and every requirement.

Sensors

The integration of sensors into a PV system enables you to record additional measured data such as irradiance or ambient temperature, as well as set up your own weather station.

* Please see warranty on the Bristile Roofing website for full terms and conditions.
The Standard Monitoring Package is available in the Standard and Standard Plus systems.

ADVANCED MONITORING





SONNEN. INTEGRATED SMART MONITORING AND ENERGY OPTIMISATION

With sonnen's superior monitoring and energy optimisation technology you can view your systems performance and see how the system is learning your energy usage patterns to optimise power provision at key times of the day when you need it. This means the system is learning your needs and helping you increase your energy self-sufficiency.



Advanced monitoring package

Our Advanced system provides real time information to:

- Maximise self-sufficiency
- Learns your energy usage patterns
- Energy Production
- Energy Consumption
- Energy Habits
- Predictive intelligent algorithm
- Delivering constant best energy outcome
- Current and predicted production
- Registers and anticipates knowledge of the weather
- Knowledge of the time of year
- Knowledge of the day of the week
- Managing smart loads
- The system will offer advice on the system configuration changes that are best suited to your energy use habits and based on solar energy capture at your location.

Ultimately the system offers advice to help you achieve energy self-sufficiency.

* Please see warranty on the Bristile Roofing website for full terms and conditions.
The Advanced Monitoring Package is available in the Performance and Optimum systems.

Control your energy supply and use

sonnen's integrated smart technology and energy optimisation system will help you reap the maximum benefit from your rooftop solar cells and take more control over your mains grid energy use.

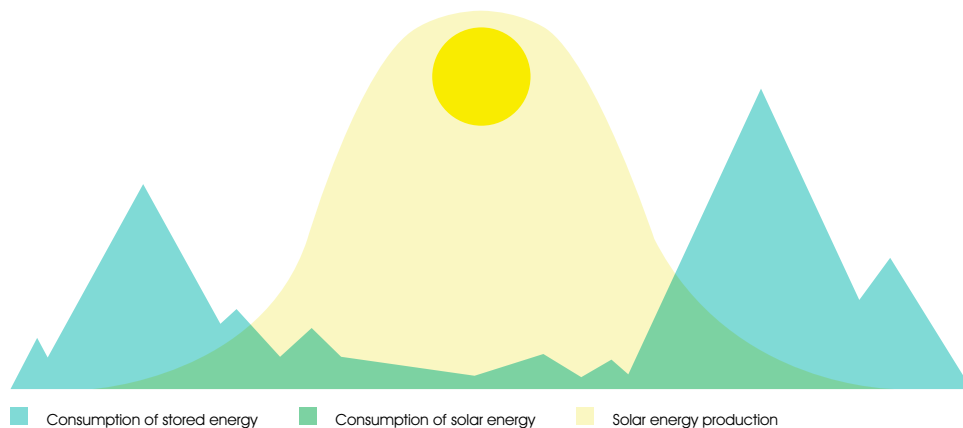
That's because it's not just a battery, it's an intelligent storage system that automatically adjusts the energy usage in your household. The sonnen system features a self-learning algorithm that determines the best times to charge and supply. Over time, sonnen's

software will come to recognise your electricity consumption patterns and will charge and discharge your batteries according to their state of charge, the time of day and predicted weather.

sonnen's software is also set up to perform peak time export transactions – so that homes can sell their stored energy into the grid at a premium during peak wholesale pricing events.

How the sonnen battery gets you through the day

Clean energy during the daytime, in the evening and at night.



Morning

**minimal energy production,
high energy needs**

At sunrise the solar cells start to produce energy, though not enough to cover the morning energy needs. The sonnen battery can bridge the gap with the stored energy from the previous day.

Midday

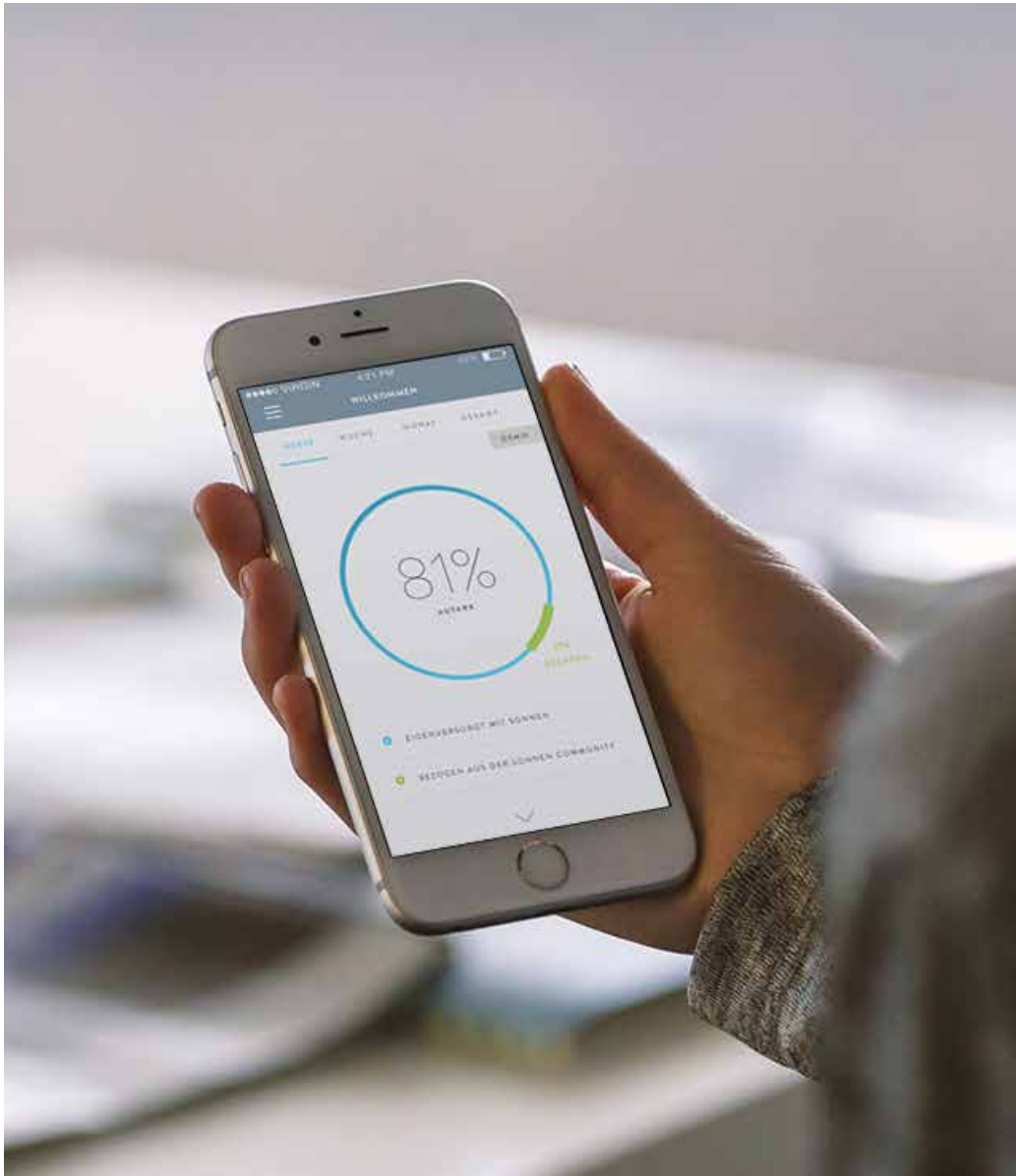
**highest energy production,
low energy needs**

In the daytime the energy generated from the solar cells is at its peak. But since generally nobody is home the energy consumption is very low so that most of the generated energy is stored in the sonnen battery.

Evening

**low energy production,
high energy needs**

The highest daily energy consumption is in the evening when the solar cells produce little or no energy. Under the right conditions the sonnen battery can cover the energy need with the energy produced in the daytime.



***Keep an eye on your energy supply
with the sonnen App***

With the sonnen App you can manage and control your energy consumption and production.

Download the sonnen App to your smartphone or tablet for access to your sonnen battery smart energy storage system. The App allows you to monitor, analyse and control the supply and demand of your household or business – anytime, anywhere.

SPECIFICATIONS

INTEGRATED SOLAR TILES

	Standard 2 kW System	Standard Plus 3 kW System	Performance 3 kW System	Optimum 5 kW System
Solar Cells Type	Planum or Prestige integrated solar tiles	Planum or Prestige integrated solar tiles	Planum or Prestige integrated solar tiles	Planum or Prestige integrated solar tiles
Power Generation	45 Watt premium monocrystalline cells	45 Watt premium monocrystalline cells	45 Watt premium monocrystalline cells	45 Watt premium monocrystalline cells
Solar Cell Type	Low iron hail resistant tempered glass	Low iron hail resistant tempered glass	Low iron hail resistant tempered glass	Low iron hail resistant tempered glass
Tiles per kW	22 tiles	22 tiles	22 tiles	22 tiles
Roof Area Covered	44 tiles = 14.5m ²	66 tiles = 21.5m ²	66 tiles = 21.5m ²	110 tiles = 35.5m ²
Product Warranty	10 Years	10 Years	10 Years	10 Years
Performance Warranty	25 Years to 80%	25 Years to 80%	25 Years to 80%	25 Years to 80%
Inverter	Fronius Inverter	Fronius Inverter	sonnen Integrated Inverter	sonnen Integrated Inverter
Inverter Product Warranty	10 Years*	10 Years*	10 Years	10 Years
Battery	Not included	Not included	Lithium Iron Phosphate German Battery	Lithium Iron Phosphate German Battery
Battery Storage	Not included	Not included	4kWh – Standard 6kWh – Upgrade	6kWh – Standard 8kWh – Upgrade
Battery Warranty and Cycle Life	Not included	Not included	10,000	10,000
Single or three phase compatible	Not included	Not included	Yes	Yes
Communication Package	<i>Standard Communication Package includes:</i> Wireless local area network connection Energy Management The ability to communicate with user, integrated solar system and the electricity grid	<i>Standard Communication Package includes:</i> Wireless local area network connection Energy Management The ability to communicate with user, integrated solar system and the electricity grid	<i>Advanced Package includes:</i> Ethernet network connection Energy Management The ability to communicate with user, integrated solar system and the electricity grid System monitors and adapts to best suit individual consumption to minimise energy costs	<i>Advanced Package includes:</i> Ethernet network connection Energy Management The ability to communicate with user, integrated solar system and the electricity grid System monitors and adapts to best suit individual consumption to minimise energy costs
Upgradability	Solar cells can be upgraded in 1kW increments up to 5 kW	Solar cells can be upgraded in 1kW increments up to 5 kW	Battery can be upgraded to 8 kWh	Battery can be upgraded to 10 kWh

*Fronius 10 year warranty is based on customers receiving the standard 5 Year warranty from Fronius and by the warranty holder claiming a 5 Year warranty extension within 30 months of the warranty product being dispatched by Fronius. The warranty extension is claimed by registering the warranty product together with its serial number at www.solarweb.com

SPECIFICATIONS

TRADITIONAL SOLAR PANELS

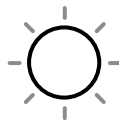
	Standard 2 kW System	Standard Plus 3 kW System	Performance 3 kW System	Optimum 5 kW System
Solar Cells Type	Traditional roof top installed solar system	Traditional roof top installed solar system	Traditional roof top installed solar system	Traditional roof top installed solar system
Power Generation	300 Watt premium monocrystalline cells	300 Watt premium monocrystalline cells	300 Watt premium monocrystalline cells	300 Watt premium monocrystalline cells
Solar Cell Type	Low iron hail resistant tempered glass	Low iron hail resistant tempered glass	Low iron hail resistant tempered glass	Low iron hail resistant tempered glass
Panels per kW	3.5 panels	3.5 panels	3.5 panels	3.5 panels
Roof Area Covered	7 panels = 11.5m ²	10 panels = 16.5m ²	10 panels = 16.5m ²	17 panels = 28m ²
Product Warranty	12 Years	12 Years	12 Years	12 Years
Performance Warranty	25 Years to 80%	25 Years to 80%	25 Years to 80%	25 Years to 80%
Inverter	Fronius Inverter	Fronius Inverter	sonnen Integrated Inverter	sonnen Integrated Inverter
Inverter Product Warranty	10 Years*	10 Years*	10 Years	10 Years
Battery	Not included	Not included	Lithium Iron Phosphate German Battery	Lithium Iron Phosphate German Battery
Battery Storage	Not included	Not included	4kWh – Standard 6kWh – Upgrade	6kWh – Standard 8kWh – Upgrade
Battery Warranty and Cycle Life	Not included	Not included	10,000	10,000
Single or three phase compatible	Not included	Not included	Yes	Yes
Communication Package	<i>Standard Communication Package includes:</i> Wireless local area network connection Energy Management The ability to communicate with user, integrated solar system and the electricity grid	<i>Standard Communication Package includes:</i> Wireless local area network connection Energy Management The ability to communicate with user, integrated solar system and the electricity grid	<i>Advanced Package includes:</i> Ethernet network connection Energy Management The ability to communicate with user, integrated solar system and the electricity grid System monitors and adapts to best suit individual consumption to minimise energy costs	<i>Advanced Package includes:</i> Ethernet network connection Energy Management The ability to communicate with user, integrated solar system and the electricity grid System monitors and adapts to best suit individual consumption to minimise energy costs
Upgradability	Solar cells can be upgraded in 1kW increments up to 5 kW	Solar cells can be upgraded in 1kW increments up to 5 kW	Battery can be upgraded to 8 kWh	Battery can be upgraded to 10 kWh

SPECIFICATIONS

SONNEN BATTERY AND INVERTER

	sonnen Eco 8.6	sonnen Eco 8.4
Nameplate Capacity	6kWh	4kWh
Guaranteed Capacity	6kWh	4kWh
Cycles per day	2.7	2.7
Max kWh per day	16.2kWh	10.8kWh
Warranty Cycles	10,000	10,000
Warranty Cycles if used for backup	10,000	10,000
Total Lifetime delivered energy (under warranty)	60,000kWh	40,000 kWh
Lifetime in years	20	20
Cell Chemistry	Lithium Iron Phosphate (LiFePO ₄)	Lithium Iron Phosphate (LiFePO ₄)
Single Phase Connection	Yes	Yes
Three Phase Connection	Yes	Yes
Energy Manager	Included	Included
Weather Data for forecasting	Included	Included
Grid Services Enabled	Included	Included
Integrated Switches	Included	Included
Pre-wired	Included	Included
Smart Home Read	Included	Included

Information in the table above is based on information available from the supplier at the time of printing. Information noted above are key characteristics of home battery solutions that should be considered when comparing systems.



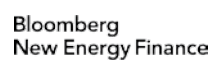
CLEANER ENERGY. QUALITY ENDORSED

*Bristile Solar is part of the Brickworks journey towards becoming
Australia's most sustainable building products company.*

*Designed and made by industry leaders, our clean energy management solutions
are quality accredited for added reassurance.*



Bristile Traditional Solar Panels are accredited by:





Roof cladding

1. Ceramic roof tiles

The pinnacle in roofing, ceramic roof tiles offer everlasting style. Australia's most extensive range of colour and profile combinations. 7 profiles available. Offered with a 'Colour For Life' Warranty meaning the tiles colour will never fade. Some ceramic roof tiles are offered with either a 50 Year Product Warranty or 100 Year Product Warranty. 10 Year Total Roof Warranty offered on all roofs we install.

2. Concrete roof tiles

24 profile and colour combinations. 3 profiles available. Offered with a 50 Year Product Warranty. 10 Year Total Roof Warranty offered on all roofs we install. Strong and dense, concrete roof tiles offer excellent sound insulation.

3. Metal roofing

22 colours available on one corrugated profile. Metal roofing offers design flexibility including the ability to achieve a curved or low pitched roof. Offered with a warranty from Colorbond Steel.

4. Solar roof tiles

Solar tiles integrate with Planum and Prestige range tiles on your roof to create a seamless finish. Solar tiles make your roof an energy generator, helping you save on energy costs. The stylish way to harness energy from the sun and a cost effective way to improve your home's comfort.



BRISTILE ROOFING. ALL YOUR ROOF SOLUTIONS FROM ONE SOURCE

Roof accessories

5. Roof ventilation

Eliminates hot air from the roof space in summer to help your insulation work far more effectively and expels damp air in winter which can affect building structures and the effectiveness of insulation. Ventilation decreases the heat load on ceiling ducted air conditioning and can reduce energy costs. An inexpensive way to further improve your home's comfort.

6. Roof sarking

Reflects as much as 95% of heat away from the home while acting as a barrier to dust, provides bush fire protection, and is a secondary barrier to water run-off. Roof sarking can reduce the need for heating and cooling devices and provides additional storm protection.

7. Ceiling insulation

Significantly reduces heat transfer through the ceiling and keeps your home cooler in summer and warmer in winter. Saves on heating and cooling energy costs and is a cost effective way to improve your home's comfort.

8. Fascias

Creates a clean and contemporary finish between facade and roof. Extensive range of colours. Strong and durable.

9. Gutters

Choose from an extensive range of steel gutter profiles to suit your home. Available in over 22 colours and numerous gutter profiles.

10. Mortex Roof

Mortex Roof mix is a preblended mortar product designed to suit roofing applications.

11. Gutter Guard

Gutter guard sits underneath the first course of roof cladding and attaches to the lip of the gutter to prevent debris from clogging gutters. It is also used on roof valleys.



WE ARE

Brickworks

Brickworks Building Products is one of Australia's largest and most diverse building material manufacturers. Under the Brickworks Building Products umbrella are some of Australia's best known building materials brands.

Our products include bricks, pavers, masonry blocks, retaining wall systems, precast concrete panels, concrete and terracotta roof tiles, timber products, terracotta façades and specialised building systems.

With a broad product portfolio and manufacturing and sales facilities across Australia, Brickworks Building Products is uniquely placed to service the demands of the building industry.

With over 1200 staff across Australia and New Zealand, we pride ourselves on our commitment to product, service excellence and our leadership position.

BRICKWORKS
— BUILDING PRODUCTS —

 **australbricks**

 **australmasonry**

 **australprecast**

 **auswesttimbers**

 **bristiler roofing**



BOWRAL BRICKS

nubrik
authentic brickwork



terraceade
TERRACOTTA FAÇADE SYSTEMS

INEX > BOARDS

Pronto Panel

URBANSTONE

Proud supporters





bristilerooting.com.au | 1300 SOLAR NOW

DESIGN STUDIOS

Sydney

Ground Floor,
50 Carrington
Street, Sydney
NSW 2000

Brisbane

27 James Street,
Fortitude Valley
QLD 4006

Adelaide

Ground Floor
70 Hindmarsh
Square, Adelaide
SA 5000

Perth

67 King Street,
Perth
WA 6000

Melbourne

490 Swan Street,
Richmond,
VIC 3121

Hobart

9 Franklin Wharf,
Hobart
TAS 7000



A member of



Proud Supporters



Bristile Roofing is part of the Brickworks Group

The product images shown in this brochure give a general indication of product colour for your preliminary selection. Bristile Roofing recommends all customers see actual product samples at a selection centre prior to making final selections.

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