



BLUE APPLE SOLAR

10 Year Structural / 25 Year Performance Warranty

We focus on providing solar modules that are already proven in the field and assured to deliver consistent results. In order to guarantee our customers long-term performance and energy output, we avoid products that do not have a solid record of delivering in real-world situations.

The following information outlines the warranty of the Blue Apple Mono-crystalline and Multi-crystalline Solar Panels. These panels are made with highest quality A - grade silicon cells on the market.

The Blue Apple Panels are designed and manufactured especially for the use of mobile and independent power solutions (such as use on caravans, motor homes, etc).

Structural Warranty

The structural warranty of the Blue Apple solar modules cover any defective component(s) which may have been caused as a direct result of the physical construction of the panel for a period of 10 years from the date of original purchase. *Proof of purchase must be retained in order to claim against the structural warranty of the panels.

Examples of the structural warranty include:

- Leakage of panel due to water stains
- Distortion of the cells
- Physical construction of the panel itself

NOTE:

Under any circumstance, the structural warranty does not cover the following:

- Breakage of the panel due to external factors or customer use
- Physical alteration of the frame work in any form outside of what is approved by Blue Apple

Please contact Blue Apple in regards to any queries about the structural warranty of panels.

Performance Warranty

The performance warranty of the Blue Apple solar modules covers the following information:

Blue Apple guarantee:

- The solar modules will perform to 90% specification rating after 20 years from the original date of purchase.
- The solar modules will perform to 85% specification rating after 25years from the original date of purchase.

Please note:

The Blue Apple solar modules will well exceed the rated specifications for the first 5 years of use from the date of original purchase.

Making a claim:

- All warranty claims (along with proof of purchase) must be returned to Blue Apple or a certified Australian Blue Apple agent for inspection before warranty will be granted.
- Blue Apple warranty is valid only for the use of the panels within Australia, the warranty does not transfer to use of the product overseas.
- Blue Apple is not responsible or liable for any freight costs associated with the warranty of any products. The cost of freight will be strictly borne by the purchaser.

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Guarantee and Instruction sheet

Thank you for purchasing a Blue Apple Mono-crystalline / Multi-crystalline Solar Panel. Blue Apple is an Australian brand which prides itself on quality and performance of its products. Customer satisfaction is important to us so we would like to outline a few instructions for use of your solar panel.

- Your Blue Apple solar panel has a performance guarantee of 25 years (please view the warranty forms which outline this section in more detail)
- Your Blue Apple solar panel has a structural guarantee of 10 years (please view the warranty forms which outline this section in more detail)
- Your Blue Apple solar panel is completely waterproof and can be used in any weather condition. Please keep in mind that the mono-crystalline / multi-crystalline solar panel will continue to work very well in overcast conditions.
- The voltage of an **unregulated** Blue Apple solar panel is approximately 18 – 25 Volts. Many Blue Apple panels are now fitted with a BLACK bypass Anderson. This is an **unregulated connection** wired directly to the panels and will allow for use with an external regulator or DC charger. Please do not use this connection directly on a battery if no other regulator is use in line.
- The Blue Apple panel is fitted with a GREY Anderson connector, which is wired to the GSL PWM solar regulator. GSL is an Australian owned and manufactured product. The regulator is fitted with an LED indicator light – Guide as follows:
Solid ON: Battery charging and battery voltage over 13V
Flashing: Night time – Battery OK | Daytime – Battery low or panel disconnected
Blinking: Battery level very low
- Your solar panel can be charged through any connection such as a cigarette outlet, Hella, Anderson or alligator clips. In most cases these connectors are supplied with the panel at the time of purchase.
- If using the Blue Apple Amp meter, this will provide you a good indication of the charge rate that your solar panel is producing into the battery.
 - Keep in mind that if the battery is near fully charged, the input of the solar panel will reduce accordingly and it is not uncommon to see the amp meter reading as low as ZERO to 2 Volts at this time. Similarly , a very low amp input will be harnessed at this time.
 - The panel will only produce its full output at the time in which the battery requires a full charge.

Cleaning and Maintenance

- Your Blue Apple solar panel does not require any special cleaning or maintenance. It is recommended that every so often you clean your panel with a mild solvent such as Windex or soap. You should use a soft cloth and try to avoid using any abrasive scourers such as steel wool.

Using the Blue Apple Amp meter

The Blue Apple Amp meter is designed to go inline of the solar panel and the battery in order to give you an indication of what the panel is producing at that given moment. The Amp meter is designed to aid you in finding the right position in order to achieve maximum results from your solar panel.

The Amp meter is to be used as a guide only and is not 100% weatherproof, it is therefore not recommended to leave the amp meter in line all the time.

In order for the Amp meter to read **INPUT** from the panel to the battery then you must connect as follows:

LOAD: Connect to Battery
SOURCE: Connect to solar panel

Note:

- Leaving the amp meter connected will also result in an accumulated input total until the time in which it is disconnect (reset)
- The amp meter may alternatively be used to read an output (such as a fridge draw) if connected in reverse of the above.

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