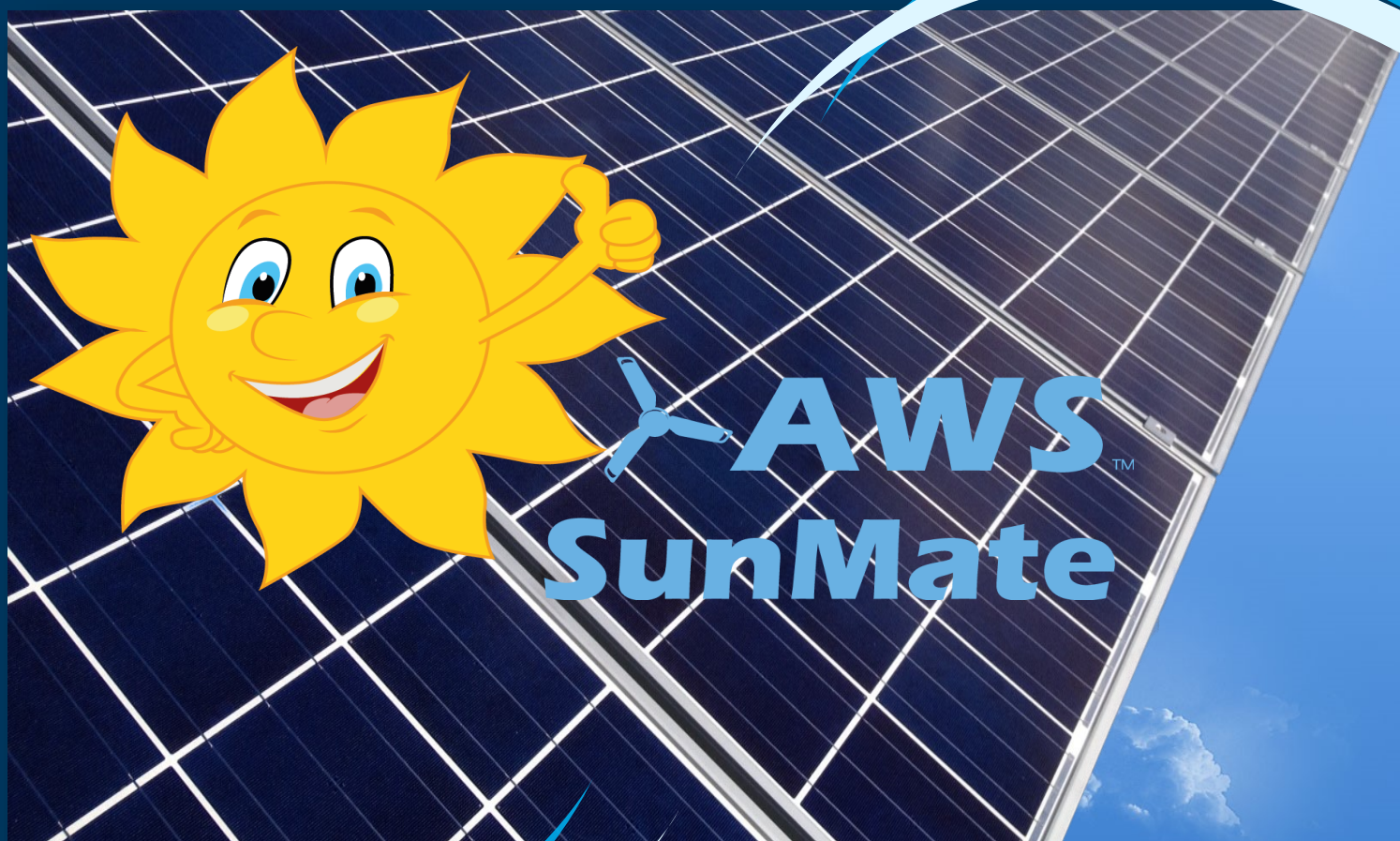


PRODUCE FREE HOT WATER FROM YOUR SOLAR





AS/NZS 3100

**NO NEED TO CHANGE YOUR
EXISTING ELECTRIC HOT WATER
UNIT**

EASY TO INSTALL

BOOST/TIMER FUNCTION

**ACCURATE POWER
MEASUREMENT**

**PRECISE INTELLIGENT POWER
CONTROL**

**HIGHLY RELIABLE DUAL
REDUNDANT SOLID STATE POWER
ELECTRONICS**

LCD DISPLAY

5 YEAR WARRANTY



If you own a solar system or wind turbine it is probable that 50% or more of the electricity generated will be exported - given away - to the electricity grid.

The AWSTM SunMate is an innovative renewable energy management product that uses the surplus power generated by your solar or wind system to produce hot water. Every unit of energy used to heat the hot water in this way reduces imported energy by the same amount, resulting in significant savings in imported energy costs.

The SunMate will work with any solar system or wind turbine and uses a standard electric hot system to produce free hot water. The advanced SunMate controller ensures maximum usage of solar and/or wind power that would have otherwise been exported. The system is simple to install and will not affect your feed-in tariff payments.

The SunMate system works by accurately monitoring the exported power and diverts power into the hot water system. This keeps the exported power to as near to zero as possible, ensuring that no additional grid power is needed to heat your hot water. Priority is always given to the energy demands of the household appliances and only surplus energy that would have otherwise been exported is sent to the hot water system.





SunMate 2.0

What's Different?

WIRELESS READY

**2 OUTPUTS EACH
CONFIGURABLE FOR VARIABLE
OR THRESHOLD POWER MODE**

**VARIABLE POWER MODE FOR
WATER HEATING**

**THRESHOLD MODE CONTROL
FOR APPLIANCE CONTROL**

**TEMPERATURE SENSOR OR
THERMOSTAT OPERATION**

**OUTPUT POWER EXPANDABLE
TO 12KW**

**ALSO AVAILABLE
IN 3 PHASE!**

Your Questions Answered

Is SunMate easy to install?

Yes! SunMate can be installed by solar or wind installers or any qualified electrician.

What energy savings can I expect?

This will depend on the size of your solar system or wind turbine and the amount of hot water you use. For a 4 person family with a 4KW solar system you can expect savings of nearly \$400 per year.

Will I still get my export tariff payments?

Yes. Once your water is heated, excess remaining power will be exported to the Grid. You will receive your current FIT export payment. This means you can use all your generated energy and still receive all the export payments!

Do I need a hot water tank?

Yes, you do need an electric hot water system which uses a hot water storage tank. SunMate stores the excess energy generated as hot water.

If no excess energy is generated do I still get hot water?

Yes, SunMate works in conjunction with your normal hot water system. On days when excess power is not available from the solar or wind system your water is heated in the normal way.

Can I see how much energy I have saved?

Yes, SunMate records and displays how much energy has been saved and which would have otherwise been exported.

Can I still use my Off-Peak water heating?

Yes, SunMate has a built-in timer which allows 3 different on/off periods to be programmed for each 24 hours so you can still take full advantage of your off-peak supply.

Does SunMate have a second output?

Yes, SunMate has two independent variable power outputs so that a second water tank can be heated or power can be diverted to a second heater, e.g. a storage heater if the first water tank becomes fully heated. SunMate can even be programmed to equally share any available surplus solar or wind power between the two outputs.

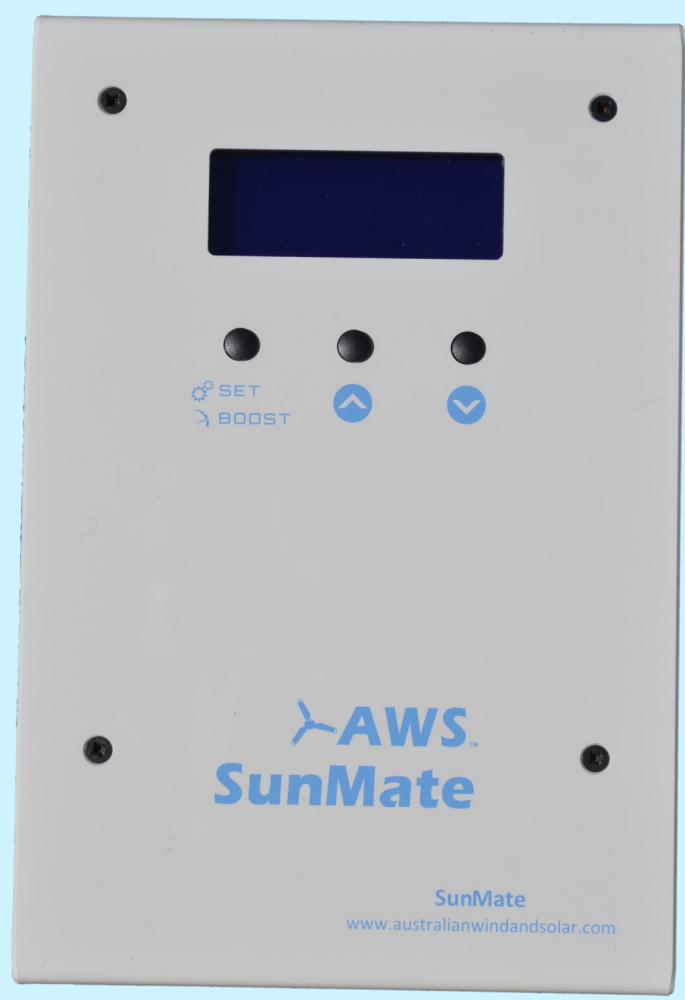
Can SunMate display the hot water temperature?

Yes, an optional temperature sensor can be fitted to SunMate to display and control the hot water temperature.

What is the SunMate warranty?

All SunMate systems are supplied with a 5 year warranty.

Specifications	
Operating Voltage	216—253 VAC
Heater Power	100W—3600W
Optimizing Power Range	50W—3600W
Optimizing Power Adjustment Period	Every 2 seconds
Variable Power Outputs	2 Outputs, both fully variable up to 3600W
Timer Functions	7-day or 5/2 day, 3 on/off settings per day
Boost Functions	1 to 4 Hours
Hot Water Temperature Display & Control	Yes, with optional temperature sensor fitted
Display	4 line x 20 characters back lit LCD
Mounting	Wall mount, bottom or rear cable entry
Dimensions	198h x 132w x 68d
Power Sensor Unit	CT-wired (optional wireless)
Current Sensor Rating	80A
Mounting	Non-invasive clip-on, 16mm max cable diameter



www.australianwindandsolar.com



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