

Produces **FREE HOT WATER**  
from your Solar and Wind Systems



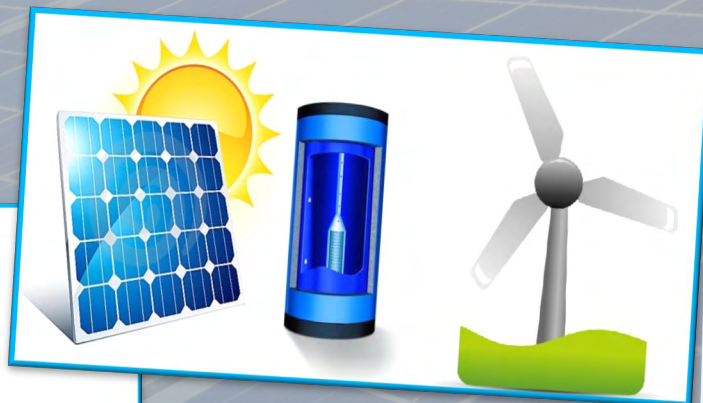
**AWS<sup>TM</sup>**  
**SunnyMate**

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 AWS<sup>TM</sup> SunnyMate is an innovative renewable energy management product that will use all the surplus power generated by your solar or wind power to produce hot water. Every unit of power used to heat the hot water in this way reduces imported energy by the same amount resulting in a significant saving in imported energy costs.

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

The SunnyMate system works by accurately monitoring the power being imported or exported and always diverts sufficient power into the hot water system in order to keep the exported power to as near zero as possible whilst at the same time ensuring that no additional grid power is ever imported to supply the hot water store. Priority is always given to the energy demands of the household appliances and only surplus energy that would have otherwise been exported is stored in the hot water system.



AS/NZS 4417.1:2012

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



[www.australianwindandsolar.com](http://www.australianwindandsolar.com)

## Your Questions Answered

### Is SunnyMate easy to install?

Yes! SunnyMate can be installed by solar or wind installers or electricians. SunnyMate does not need to be installed by a **CEC** certified installer and will not affect the **CEC** certification of your micro-generation system. Only one clip-on type import/export sensor is used.

### 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. SunnyMate stores the excess energy generated as hot water.

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

Yes, SunnyMate 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.

### Does SunnyMate have a second output?

Yes, SunnyMate 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. SunnyMate can even be programmed to equally share any available surplus solar or wind power between the two outputs.

### Can SunnyMate display the hot water temperature?

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

### What is the SunnyMate warranty?

All SunnyMate systems are supplied with a 5 year warranty.



#### Specifications

Microgeneration System Size	0.5—4kWp
Operating Voltage	216—253 VAC
Control Unit	
Heater Power	100W—3500W
Optimising Power Range	50W—3500W
Optimising Power Adjustment Period	Every 2 seconds
Variable Power Outputs	2 Outputs, both fully variable up to 3500W
Timer Functions	7-day or 5/2 day, 3 on/off settings per day
Boost Functions	1 to 4 Hours
Hot Water Temperature Display & Con-	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	
Current Sensor Rating	80A
Mounting	Non-invasive clip-on, 16mm max cable diameter

