

## RECS

Renewable Energy Certificates or RECs are a form of electronic currency, which can be created following the installation of a complying renewable energy system. RECs are one measure of system efficiency and vary with the model of solar water heater and the region in which the unit is being used.

Each REC has a \$ value that can vary daily according to market demand. The Ozroll group also has established a REC trading company which is licensed to create, trade and sell RECs on the market.

## Federal Rebates

The Australian Government is currently offering rebates to assist eligible home-owners, landlords or tenants to replace their electric storage hot water system with a solar hot water system.

## State Rebates

Check with government authorities as state and/or local (council) rebates may apply in your area.

## Certificates

- Certificate of Registration
- Oceanamark Certificate



Manufacturers Warranty			
Inner Tank	5	Electric Booster	1
Collector	5	Mounting Frame	1
Gas Booster	1	Pump	1



# S L A R H T W A T E R

## ENERGY EFFICIENT SOLUTIONS



For more information on Ozroll Solar Hot Water

[www.ozroll.com.au](http://www.ozroll.com.au)

1800 OZROLL (697655) OR +61 8 8368 0263

Dealer Details

## OZROLL Industries

Ozroll Industries is a privately owned Australian company that has achieved ongoing success and continues to grow and develop to remain a market leader in many fields.

We provide, manufacture and design an extensive range of world class products, sure to suit any home owner or business operator.

From inside and out, top to bottom, we have everything covered including;

- Roofing Products
- Roller Shutters
- Garage Doors
- Solar Energy
- Window Coverings
- Louvre Shutters
- Rendering
- Solar Hot Water

Our emphasis is on providing our customers with the best possible quality and service, therefore from point of order to final delivery you can be assured of our utmost attention and ongoing commitment.

With electricity prices rising a conversion to a solar hot water system can save you money on your electricity bill each year. In addition, further savings can be made with the introduction of Government Rebates and Renewable Energy Certificates (RECs).

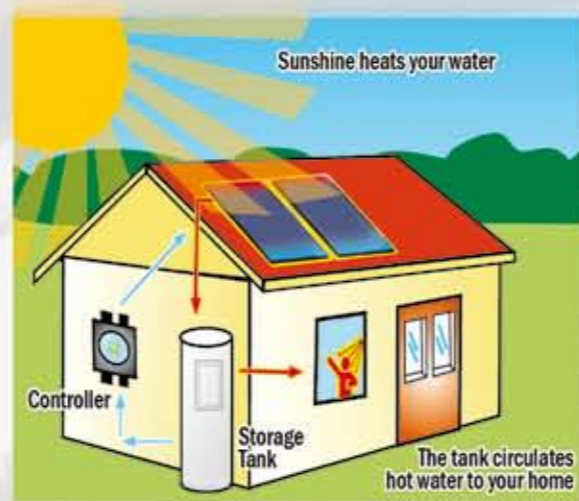


### Environmental Benefits of Solar Hot Water

- ✓ Solar Hot Water is environmentally friendly
- ✓ Solar Hot Water is a renewable resource
- ✓ No burning of fossil fuels
- ✓ Solar Hot Water is quiet

### How does Solar Hot Water work?

The sun's energy is used to heat water, similar to the way it heats water left in a hose on a hot sunny day. The water is heated as it circulates through solar collectors located on the roof and is then stored in an insulated storage tank on the ground. The water is circulated using a whisper quiet German made low energy pump and controlled by a unique purpose built system controller.



### Oz Booster?

A booster is a back up to your solar hot water system that can heat the water in your storage tank when the water temperature falls below 60 °C. Ozroll offer two types of Hot Water Systems: Electric Boost and instantaneous Gas Boost.

**Electric:** Our automatic electric booster and thermostat control can ensure hot water is available any time day or night.

**Gas:** Ozroll's Gas Boosting System produces continuous hot water by only heating the water when required. Both Natural Gas and LPG applications are offered.



Electric



Gas

## Oz Collectors

The Ozroll Solar Collector is a unique and efficient product aimed at maximising the water heating process. This is achieved through a series of innovative features specifically designed for our customers.

- ✓ Patented German **TINOX** titanium absorber with its distinctive blue lustre with 95% efficiency levels.
- ✓ Unique **aluminium backing sheet** and black anodised coating on the extrusion case to reduce corrosion.
- ✓ **4mm** thick tempered glass for maximum solar and impact performance
- ✓ **Thick insulation wool** to reduce heat losses and maximise insulation.
- ✓ **22 mm** copper header tube to maximise heat transfer into the collector.
- ✓ **Anti Freeze Protection System** to prevent freezing and damage to the collectors.

COLLECTOR SPECIFICATIONS	
Model Number	31.210.100
Dimensions (A x B x C)	2002 x 80 x 1025
Panel Size (m <sup>2</sup> )	2.05
Weight of collector (kg) - empty	38.5
No. risers	8
Fluid Capacity (litres)	1.45
Riser Dimensions (mm)	10 x 0.71 (Round)
Header Dimensions (mm)	22 x 1.0 x 1080
Media	Potable water
Maximum working pressure (BAR)	1.2
Maximum test pressure (BAR)	3
Maximum Pressure (kpa)	700
Normal working pressure (BAR)	1
Insulation type	Glass wool (covered with Black glass fibre fleece)
Insulation Density	50kg/m <sup>3</sup>
Insulation thickness base (mm)	40
Insulation thickness density sides	50kg/m <sup>3</sup>
Insulation thickness sides (mm)	25
Absorber plate coating type	TINOX
Absorber surface area (Aperture) (square metres)	1.87
Absorber plate dimensions (mm)	1880 x 962
Absorber Plate Material	Copper
Glazing Type	Tempered patterned glass
Glazing thickness (mm)	4
Frame Material	Anodized Aluminium alloy frame
Backing Sheet	Aluminium sheet

## Oz Tanks

Ozroll Solar Hot Water Tanks offer a series of innovative features and benefits:

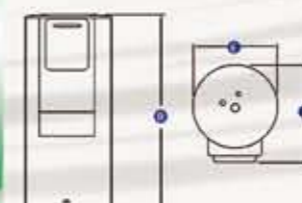
- ✓ Convenient **ground mounted** tanks that are easier to install, maintain and are aesthetically pleasing.
- ✓ Does not require any additional roof bracing and support.
- ✓ Our tanks are lined with **vitreous enamel** to reduce corrosion.
- ✓ Uniquely positioned electric booster system to **minimise** hot water wastage and electricity consumption.
- ✓ **An additional Thermocouple** to improve safety levels by regulating the temperature of the water supply within the system. It also serves to reduce water wastage.
- ✓ **Maximum insulation** at top of the tank where it is most needed.
- ✓ **2 Magnesium sacrificial anodes** to further reduce corrosion and increase longevity of the inner tank.

TANK SPECIFICATIONS			
Capacity	250 L	300 L	400 L
Inner vessel diameter (mm)	542	542	613
Sacrificial anode type	CAST MAGNESIUM	CAST MAGNESIUM	CAST MAGNESIUM
Water Tank outside dimension (mm)	620	620	710
Paint colour	White	White	White
Insulation Type - top of tank	Polyurethane foam under high pressure	Polyurethane foam under high pressure	Polyurethane foam under high pressure
Insulation thickness - top of tank (mm)	60	60	60
Insulation density	≥ 35kg/m <sup>3</sup>	≥ 35kg/m <sup>3</sup>	≥ 35kg/m <sup>3</sup>
Insulation Type - sides of tank	Polyurethane foam under high pressure	Polyurethane foam under high pressure	Polyurethane foam under high pressure
Insulation thickness - sides of tank (mm)	40	40	40
Insulation type - bottom of tank	Polystyrene	Polystyrene	Polystyrene
Insulation thickness - bottom of tank (mm)	35	35	35
TPE Valve connection	BSP 1/2 inch DN15	BSP 1/2 inch DN15	BSP 1/2 inch DN15
Temperature thermocouple wells fitted	2	2	2
Fitting size of inlet cold & outlet hot water connection	BSP 1/2 inch DN20	BSP 1/2 inch DN20	BSP 1/2 inch DN20
Fitting size of inlet/outlet solar hot water connection & Drain hole	BSP 1/2 inch DN20	BSP 1/2 inch DN20	BSP 1/2 inch DN20
Packing case size (mm)	Ø 655x1386	Ø 655x1616	Ø 743x1675
Weight - empty (kg)	75	85	112



Gas

**Gas Tank**  
Dimensions (D x E x F) (mm)  
250 L - 1320 x 620 x 870  
300 L - 1550 x 620 x 870  
400 L - 1600 x 710 x 950



Electric

**Electric Tank**  
Dimensions (D x E) (mm)  
250 L - 1320 x 620  
300 L - 1550 x 620  
400 L - 1600 x 710

