

# RHEEM SOLAR READY ELECTRIC WATER HEATER



PLATINUM SERIES



ELECTRIC

315L  
SS

DELIVERY

250L  
315L  
VE

DELIVERY

10  
YEAR

CYLINDER  
WARRANTY



**Future-proof your hot water investment with a Rheem Solar Ready Electric Water Heater**

COMES ON STEADY, HOT AND STRONG

INSTALL A



# RHEEM SOLAR READY ELECTRIC WATER HEATER

## HOW IT WORKS

Rheem's electric Solar Ready water heater is designed for your regular and emergency water replacement needs. This smart electric water heater has solar water connections which are connected when upgraded to a solar water heater. The addition of a unique electronic solar controller and the solar collectors then upgrades the water heater from electric to solar. This future proofs your investment.



MODEL NO. 51M315S/2NPT

## FEATURES

- Suitable for standard or emergency replacement of your old electric water heater
- Fast, easy like-for-like replacement of an equivalent size electric water heater
- Available in Stainless Steel (315L) and Vitreous Enamel lined (250L & 315L) models, built for the tough Australian conditions
- Thicker anode in Vitreous Enamel lined models for added protection
- Suitable for outdoor or indoor installation
- Designed to operate as a single element (3.6kW) electric water heater
- Mains pressure water delivery for water that comes on steady, hot and strong
- Built-in solar circuit inlet and outlet connections for an upgrade to solar
- Upgrade to solar hot water system by adding solar collectors and solar controller – when you are ready
- Developed and manufactured by Rheem Australia

## BOOSTER OPTIONS

To ensure you have hot water all year round a Rheem Loline® Solar Ready Stainless Steel or Vitreous Enamel water heater is available with either in-tank electric boosting or 6-Star 26L/min continuous flow gas boosting. Boosting is a back-up feature that provides hot water at times of low solar energy gain, such as during very cloudy or rainy weather, or during the colder months or periods of increased hot water demand.

## UPGRADE TO A SOLAR WATER HEATER

- Simple upgrade to solar by installing slimline collectors to the roof and unique smart connect solar controller on the tank. Easy connections to the solar fittings provided
- As a solar water heater, it has a 3.6kW mid tank electric booster element and a 1.0kW bottom frost element for enhanced frost protection
- Enhanced frost protection – recirculating freeze protection utilising an electronically controlled back-up frost element for cold weather conditions
- Incorporates automatic electronic controls
- Can be installed up to 600 metres altitude
- Range of collector options to suit different climate zones
- Energy Efficient - may save up to 65% in hot water heating energy consumption as compared to electric water heater<sup>1,2,3</sup>
- Booster – choice of electric element or 6-Star gas boost for back up to provide hot water in any weather conditions
- Range of collector options to suit different climate zones. High performance selective surface collectors available in Zones 3 and 4
- Eligible for STCs<sup>4</sup>
- 10 year cylinder warranty and 10 year collector warranty<sup>5</sup>
- Australian designed and developed with the tank and solar controller manufactured in Australia

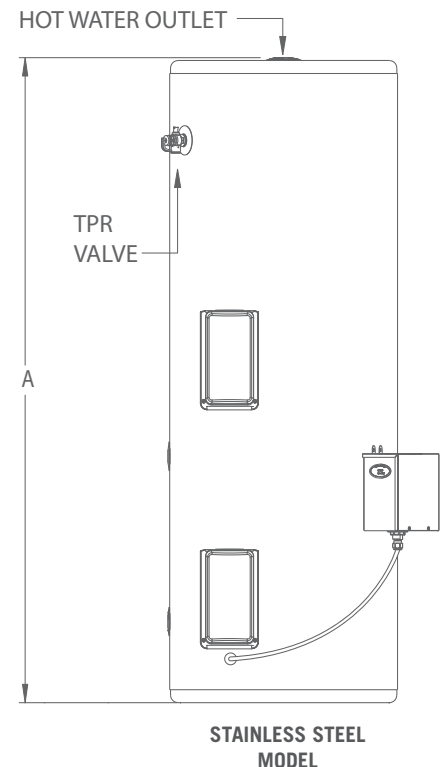
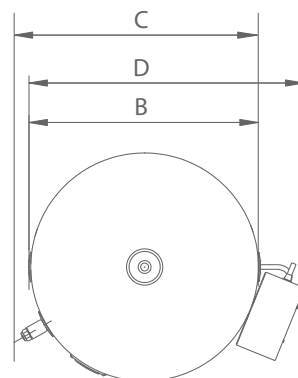
**RHEEM SS ELECTRIC (SOLAR READY) WATER HEATER AND RHEEM LOLINE® SS SOLAR HOT WATER SYSTEMS WITH ENHANCED FROST PROTECTION**

ELECTRIC (SOLAR READY) WATER HEATER		
		Electric
		5AM315
Delivery capacity	litres	315
Element rating	kW	3.6
People per household		Up to 4
Dimensions & specifications		
TPR valve setting	kPa	1000
Expansion Control Valve (ECV) setting	kPa	850
Max. water supply pressure		
With ECV	kPa	680
Without ECV	kPa	800
Water connections		Rp 3/4
Tank height (A)	mm	1760
Tank width (B)	mm	631
Tank depth (C)	mm	671
Tank weight - empty	kg	54
Tank weight - full	kg	380

UPGRADED TO RHEEM LOLINE® STAINLESS STEEL SOLAR HOT WATER SYSTEM			
		Electric	Gas
		5AM315S/2NPT 5AM315S/3NPT 5AM315S/2CS07	5AM315S/2NPT-G 5AM315S/3NPT-G 5AM315S/2CS07-G
Storage capacity	litres	325	
Boost capacity	litres	160	26L/min
Booster rating / input		3.6 kW	199 MJ/h
Frost element rating	watts	1030	1030
Solar collectors		2 or 3 x NPT200 or 2 or 3 x CSA2007	
People per household		2 to 4	2 to 6
Dimensions & specifications			
Min. water supply pressure	kPa	200	
Tank height (A)	mm	1760	
Tank width (B)	mm	631	
Tank depth (C)	mm	671	
Overall width (D)	mm	751	
Tank weight - empty	kg	54	
Tank weight - full	kg	380	
Weight - full		- 2 x collectors	80
		- 3 x collectors	120
Installation area	m	- 2 x collectors	2.3 x 2
	m	- 3 x collectors	3.4 x 2

**RHEEM VE ELECTRIC (SOLAR READY) WATER HEATER WITH ENHANCED FROST PROTECTION**

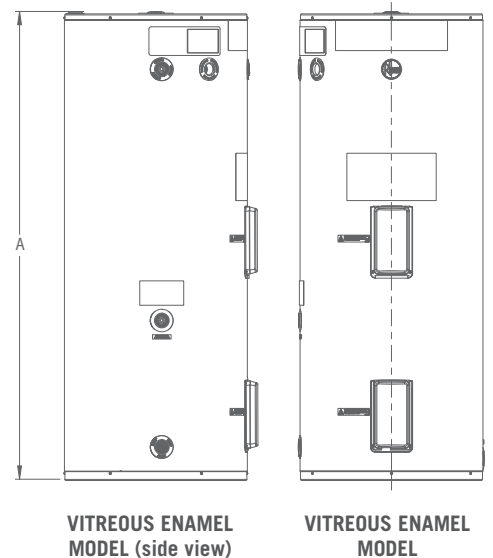
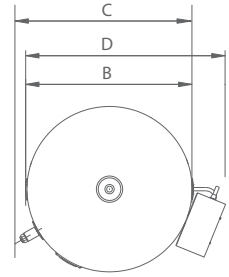
ELECTRIC (SOLAR READY) WATER HEATER			
		Electric	
		51M250	51M315
Delivery capacity	litres	250	315
Element rating	kW	3.6	3.6
People per household		Up to 3	Up to 4
Dimensions & specifications			
TPR valve setting	kPa	1000	1000
Expansion Control Valve (ECV) setting	kPa	850	850
Max. water supply pressure			
With ECV	kPa	680	680
Without ECV	kPa	800	800
Water connections		Rp 3/4	Rp 3/4
Tank height (A)	mm	1390	1640
Tank width (B)	mm	640	640
Tank depth (C)	mm	680	680
Tank weight - empty	kg	84	94
Tanks weight - full	kg	354	419





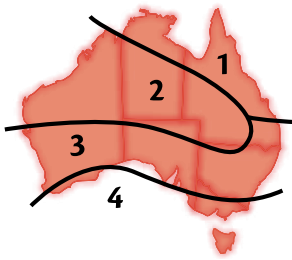
## RHEEM LOLINE® VE SOLAR HOT WATER SYSTEMS WITH ENHANCED FROST PROTECTION

UPGRADED TO RHEEM LOLINE® VITREOUS ENAMEL SOLAR HOT WATER SYSTEM					
		Electric		Gas	
		51M250S/2NPT	51M250S/2NPT-G	51M315S/2NPT	51M315S/2NPT-G
		51M250S/3NPT	51M250S/3NPT-G	51M315S/3NPT	51M315S/3NPT-G
		51M250S/2CS07	51M250S/2CS07-G	51M315S/2CS07	51M315S/2CS07-G
Storage capacity	litres	270		325	
Boost capacity	litres	140	26L/min	170	26L/min
Booster rating / input		3.6 kW	199 MJ/h	3.6 kW	199 MJ/h
Frost element rating	watts	1030	1030	1030	1030
Solar collectors		2 or 3 x NPT200 or 2 x CSA2007		2 or 3 x NPT200 or 2 x CSA2007	
People per household		1 to 3	2 to 5	2 to 4	2 to 6
Dimensions & specifications					
Min. water supply pressure	kPa	200		200	
Tank height (A)	mm	1395		1640	
Tank width (B)	mm	640		640	
Tank depth (C)	mm	680		680	
Overall width (D)	mm	765		765	
Tank weight - empty	kg	84		94	
Tank weight - full	kg	354		419	
Weight - full					
- 2 x collectors	kg	80		80	
- 3 x collectors	kg	120		120	
Installation area					
- 2 x collectors	m	2.3 x 2		2.3 x 2	
- 3 x collectors	m	3.4 x 2		3.4 x 2	



VITREOUS ENAMEL MODEL (side view)

VITREOUS ENAMEL MODEL



## STCs

Small-scale Technology Certificates (STCs) are a financial benefit to encourage the installation of solar water heaters provided under a Federal Government legislated scheme.

This map shows the climate Zones within Australia which will define the number of STCs allocated to an approved solar water heater. Your installation may be eligible<sup>4</sup>.

To claim your STC entitlement, simply complete the STC Assignment form.

Visit [www.rheem.com.au/rheem/help/offers-and-incentives/stcs](http://www.rheem.com.au/rheem/help/offers-and-incentives/stcs) to download the STC Assignment form.

<sup>1</sup> Energy reduction is based on Australian Government Approved TRNSYS simulation modelling of the 5AM325/2NPT and 51M325/2NPT systems and using a medium load in Zone 3 and apply when replacing an electric water heater.

<sup>2</sup> Any energy and financial savings will vary depending upon type of Rheem solar system installed, orientation and inclination of the solar collectors, type of water heater being replaced, hot water consumption and fuel tariff. Maximum financial savings off your hot water bill are achievable when replacing an electric water heater on continuous tariff.

<sup>3</sup> Electric boost models only.

<sup>4</sup> Eligibility criteria applies. For more details visit: [www.cleanenergyregulator.gov.au/RET/About-the-Renewable-Energy-Target/How-the-scheme-works/Small-scale-Renewable-Energy-Scheme](http://www.cleanenergyregulator.gov.au/RET/About-the-Renewable-Energy-Target/How-the-scheme-works/Small-scale-Renewable-Energy-Scheme). The STC saving calculator for your system can be found on: [www.rec-registry.gov.au/rec-registry/app/calculators/swh-stc-calculator](http://www.rec-registry.gov.au/rec-registry/app/calculators/swh-stc-calculator)

<sup>5</sup> Warranty: solar tank and collectors – 10 years supply on cylinder and 10 years supply on solar collectors, 3 years labour on cylinder and solar collectors, 1 year supply and labour on other parts; continuous flow gas booster – 10 years supply on heat exchanger, 3 years labour on heat exchanger, 3 years supply and labour on other parts. Applies to a single-family domestic dwelling only when installed in accordance with the warranty limits regarding water chemistry. Harsh water regions – the Rheem warranty may not apply if the water heater is connected to a water supply which: has a Chloride content >250mg/L; a pH <6.0 or >9.5; has a Total Dissolved Solids content >600mg/L; is scaling with a Saturation Index >+0.8, or; is corrosive with a Saturation Index <-1.0.

Rheem's warranty is set out in the product's Owner's Guide or view it at [www.rheem.com.au](http://www.rheem.com.au). Phone 131 031 for details. Materials and specifications are subject to change without notice.



Australian Standard  
AS/NZS 2712  
Lic SMK23142  
SMK0757  
SAI Global



Quality  
ISO 9001



WaterMark  
AS 3498 WMKA00200  
WMKA00153  
SAI Global

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