



**CONSOLIDATED
ENERGY**

SOLAR HOT WATER

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The power to cut your energy bills for years to come

When it comes to clean, cost effective energy solutions, our Solar Hot Water range from Consolidated Energy leads the way with high performance hot water systems that deliver savings of up to 80% on your household hot water energy usage.*

One of the soundest financial investment you'll ever make, a Consolidated Energy Solar Hot Water system will pay for itself while reducing your dependence on traditional, more expensive, gas and electricity. And the savings on running costs keep flowing year after year.

Annual Running Cost Comparison \$AUD



*80% energy reduction is based on Government Approved TRNSYS simulation modelling when replacing an electric water heater in Zone 3. Reference: www.sustainability.vic.gov.au, based on a household, 3-4 people.



Hot water accounts for 25% of household energy consumption

With water heating accounting for around 25% of the average household's energy usage, going solar can deliver hundreds of dollars in savings every year – and reduce greenhouse gas emissions.

Our high efficiency Solar Hot Water systems receive some of the highest STCs (Small-Scale Technology Certificates) in the industry which offset a large portion of the initial cost of the system.

Clean, efficient hot water 24 hours a day

Solar energy is free, clean and safe. It produces no pollution, reduces your carbon foot print and your energy bills. As one of the sunniest places on the planet, Australia has no shortage of solar energy.

Our Solar Hot Water Systems are available with gas or electric boost to deliver hot water day and night.

Uncompromised Quality & Performance

Combining European solar collectors and precision engineered storage tanks, Leda Solar Hot Water systems have been designed to provide:

- Industry leading efficiency and performance
- Long service life backed by peace of mind warranty
- Optimum STCs delivering unrivalled value for money
- Low cost, reliable hot water 24 hours a day

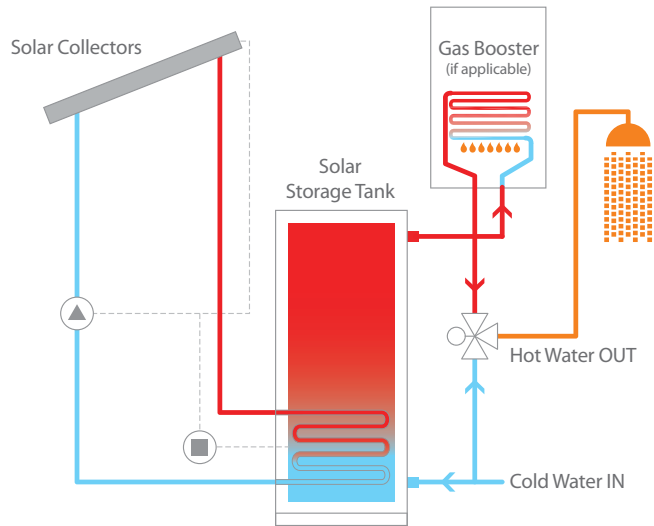
In a Leda Solar Hot Water System, high efficiency solar collectors heat the water. Coldwater is pumped from the storage tank to the solar collectors on the roof. The heatedwater is returned to the storage tank ready for use.



European quality solar collectors

The quality and efficiency of the solar collectors has a major influence on the efficiency of the total system. Our high efficiency solar collectors meet all relevant Australian quality and safety standards, and feature:

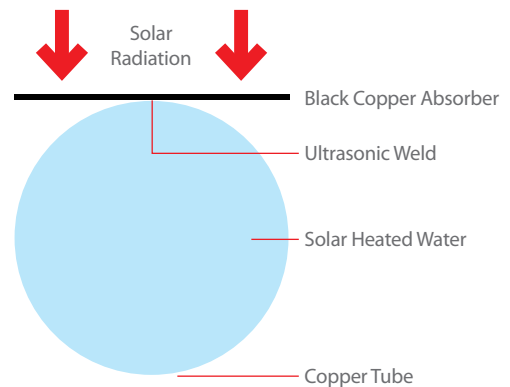
- All copper riser tubes ultrasonically welded to copper collector fins to ensure maximum solar energy collection and transfer to the stored water
- Low iron prismatic tempered glass ensuring high solar efficiency with high hail and storm resistance
- Ultraviolet and temperature resistant EPDM rubber sealing
- Anodised black aluminium frame and profile mounted without screws to ensure protection in harsh and salty environments



Storage to suit your needs

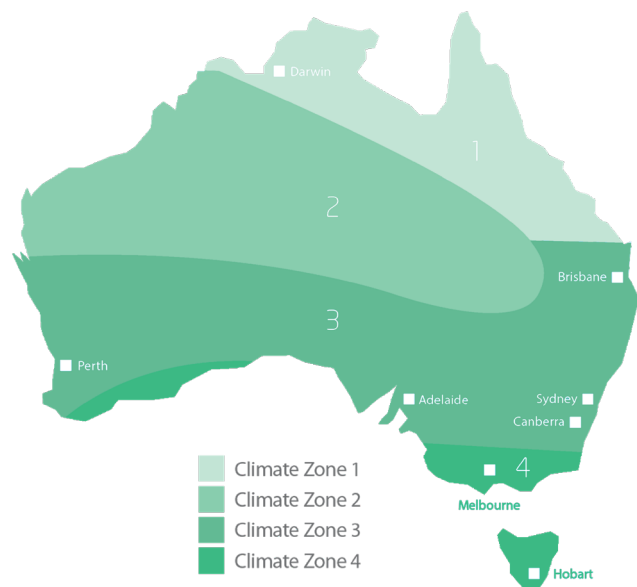
Engineered to combine thermal efficiency with easy installation, Our Hot Water Storage tanks come in 270 litre, 340 litre and 450 litre capacities. Tanks feature extra thick 3mm tank walls combined with a solid vitreous enamel lining to prevent corrosion and ensure longevity.

Manufactured to stringent quality standards and tested and audited to ensure full compliance, Our tanks comply with International Quality and Environment standards ISO9001 and ISO4001, Australian Standards and Watermark requirements.



Hot water that doesn't cost the earth

At Consolidated Energy, we're committed to a sustainable, low energy future. The Government's Clean Energy Regulator awards Small-Scale Technology Certificates (STCs) according to how much energy the Solar Hot Water system saves. 1 STC = 1 Megawatt hour (MWh) of electricity saved. The number of STCs varies with the climate zone (see map). Leda Solar Hot Water systems receive some of the highest STCs of any solar systems due to their energy efficiency. STCs and possible other Government rebates make Leda Solar one of the most cost effective hot water solutions available.



STC Performance*

Model	Description	Tank Capacity	Collectors	STC's Zone 1	STC's Zone 2	STC's Zone 3	STC's Zone 4
L2720VI24PT20	270L, 2 panel with gas boost	270L	2 x LSC2.4	41	44	42	37
L3420VI24PT20	340L, 2 panel with gas boost	340L	2 x LSC2.4	41	44	42	37
L4520VI24PT20	450L, 2 panel with gas boost	450L	2 x LSC2.4	41	44	42	37
L4530VI24PT20	450L, 3 panel with gas boost	450L	3 x LSC2.4	45	46	49	44

*STCs shown are for 20 litre gas boost systems. 26 litre gas boost and electric boost available on request.

Our Solar Hot Water Systems are designed to work efficiently and they're designed to last. Our components and products are produced using only the highest quality material to ensure that our customers get the best value for money available. We understand that Australia is a vast and unique country with tough conditions and varying demands, so we've made our solar systems for just that.

With Consolidated Energy Solar Hot Water Systems coming in **270ltr**, **340ltr** and **450ltr**, we have every Australian family covered. Our goal is to provide you with the perfect amount of hot water, on demand when you need it, for the lowest cost possible. Leda Solar Hot Water Systems come complete with supersize 2.4m² solar collectors to ensure you get the very most out of the sun and top of the range solar pumps controllers for unrivalled reliability. Plus, you get gas and electric boosters to ensure that you won't run out of hot water.

If you're thinking of solar hot water, think **Consolidated Energy**.

Features and Benefits

- European designed and manufactured solar collectors ensure maximum performance and huge savings
- Aluminium collector frames provide long life in coastal areas
- Among the highest solar output in the market, slashing energy usage
- Built in frost protection for cooler climates
- Stylish split systems, with no ugly tank on the roof
- Outstanding product warranties for peace of mind
- Streamlined 'one-sided' tank installation - less unattractive pipes to look at
- Versatile tank installation, right or left handed install
- Durable low iron tempered glass for maximum solar absorption and protection from Australia's harsh weather conditions
- Among the "greenest" solar hot water systems available
- Sacrificial anode for extended tank life
- LPG and Natural Gas models available (gas boosted solar only)
- Japanese designed and manufactured gas booster - reliability you can trust



Electric Boosted Solar Hot Water Specifications

Model	L272OVI24P	L342OVI24P	L452OVI24P	L453OVI24P
Tank Storage Capacity	270ltr	340ltr	450ltr	450ltr
Number of Solar Collectors	2	2	2	3
Booster	3.6kw	3.6kw	3.6kw	3.6kw
Collector Dimensions (L/W/D)	2040mm/1200mm/100mm			
Tank Dimensions (Height/Diameter)	1408mm/ 648mm	1711mm/ 648mm	1733mm/ 732mm	1733mm/ 732mm
Cold Water Inlet Height	82mm	82mm	83mm	83mm
Solar Return Height	582mm	762mm	741mm	741mm
Hot Water Outlet and PTR Valve Height	1169mm	1472mm	1473mm	1473mm
Electrical Booster Height (if applicable)	748mm	912mm	903mm	903mm
Tank Weight (empty)	84kg	98kg	131kg	131kg
Maximum Inlet Water Pressure	500kpa			
Expansion Control Valve (supplied with system)	700kpa			
PTR Valve (supplied with system)	850kpa			
Warranty, Tank and Collectors	5 years			
Warranty, Parts and Labour	1 year			

Gas Boosted Solar Hot Water Specifications

Model	L272OVI24PT20	L272OVI24PT26	L342OVI24PT20	L342OVI24PT26	L452OVI24PT20	L452OVI24PT26	L453OVI24PT20	L453OVI24PT26
Tank Storage Capacity	270ltr	270ltr	340ltr	340ltr	450ltr	450ltr	450ltr	450ltr
Number of Solar Collectors	2	2	2	2	2	2	3	3
Booster	20ltr/min	26ltr/min	20ltr/min	26ltr/min	20ltr/min	26ltr/min	20ltr/min	26ltr/min
Collector Dimensions (L/W/D)	2040mm/1200mm/100mm							
Tank Dimensions (Height/Diameter)	1408mm/ 648mm	1408mm/ 648mm	1711mm/ 648mm	1711mm/ 648mm	1733mm/ 732mm	1733mm/ 732mm	1733mm/ 732mm	1733mm/ 732mm
Cold Water Inlet Height	82mm	82mm	82mm	82mm	82mm	82mm	82mm	82mm
Solar Return Height	582mm	582mm	762mm	762mm	741mm	741mm	741mm	741mm
Hot Water Outlet and PTR Valve Height	1169mm	1169mm	1472mm	1472mm	1473mm	1473mm	1473mm	1473mm
Electrical Booster Height (if applicable)	NA	NA	NA	NA	NA	NA	NA	NA
Tank Weight (empty)	84kg	84kg	98kg	98kg	131kg	131kg	131kg	131kg
Maximum Inlet Water Pressure	500kpa							
Expansion Control Valve (supplied with system)	700kpa							
PTR Valve (supplied with system)	850kpa							
Warranty, Tank and Collectors	5 years							
Warranty, Parts and Labour	1 year							