DELO'SO SOLAR LTEE

A Buyer's Guide to Choosing Quality Solar Water Heating in Mauritius

Exclusive Solahart Dealer · Australian-Made · Full After-Sales Service

Solahart®

Introduction to Delo So Solar Ltee

Delo So Solar Ltee is a family-run Mauritian company whose values are built on trust and reliability, delivering prompt, dependable, high-standard service aligned with the quality of the Solahart brand

We supply

We are the exclusive dealer of Solahart water heating solutions in Mauritius providing bespoke customer service with full factory backing

Your continuing distributor

We are Solahart's current distributor in Mauritius, following on from Redline Ltd and Happy World before us. If your system came through either company, we are now your local contact for parts and service

We maintain

We offer service plans for homes and managed buildings, thereby further enhancing peace of mind

Introduction to Solahart

70+ years · 1 million+ installations · 70 countries

A name you can trust

One of Australia's largest solar hot water brands, trusted worldwide since 1953

A complete range

Every property covered, from roof-mounted and split systems to Atmos Eco® heat pumps which offer an exceptionally low environmental footprint

Proven in Mauritius

Sold locally for more than 40 years, backed by trusted warranties and real-world longevity

Vacuum Tubes Vs Flat Plates
Two Very Different Technologies

The part that sits on your roof in the sun makes a bigger difference than most buyers realise



Vacuum Tube Collectors

- Rows of individual sealed glass tubes
- Lower purchase price
- A cracked tube typically means a service call and a part replacement



Flat Plate Collectors *(Solahart L Series)*

- One sealed metal absorber panel, no glass tubes at all
- Proven in strong sun and high heat, while tubes tend to outperform only in colder climates

Glass On The Roof
What If It Breaks?

Worth asking of any system above a garden, pool deck, terrace or walkway

Ordinary glass

(Untempered glass)

- Breaks into long, jagged shards with very sharp edges
- Shards can fall into a garden, onto a pool deck or across a walkway
- Children, pets and bare feet are most at risk, and fine slivers are hard to clear

Tempered glass

(Solahart L Series collectors)

- Heat-treated to be several times stronger than ordinary glass
- If it does break, it is designed to crumble into small, blunt pieces, not sharp shards
- L Series collectors use 3.2 mm tempered low-iron glass

Ask any supplier: what glass is used, and what happens if it breaks above a garden?

Not All “Stainless Steel” Is The Same

Common tank approaches in Mauritius, in plain terms

The tank decides how long your system actually lasts

Ask in writing: which grade and thickness, what the price includes, and what the warranty covers

304 Stainless

Common “everyday” grade

GOOD AT

General, all-round corrosion resistance

WATCH FOR

A thin oxide film is the only protection stainless steel has, and it can break down in humid, coastal water supplies

316 Stainless

“Marine grade”

GOOD AT

Strongest common grade against salt air and salty water

WATCH FOR

Corrosion can still take hold as small defects grow, or as the metal is stressed by repeated heating and cooling

Solahart Approach

CONSTRUCTION

A ceramic-lined steel tank in an aluminium case, protected by an anode bar

THE ADVANTAGE

The anode gives a visible, years-long warning sign long before the tank is at risk. A quick check during a routine visit is all it takes

Is there another risk hiding in plain sight?

Where the expanding water goes can matter as much as the system itself

Open-vented, on the roof

- Hot water spills over the tank and tubes every day, by design
- Many units on one roof means many spills landing in one place
- Pooling water can damage the roof waterproofing, a costly common-parts repair in an apartment building

Pressurised, on the same roof

- Tank closed to the air in normal use, with valves on the cold inlet and the hot outlet
- No daily spill over the tank and collectors, with expansion released by the valves
- Still opens for service: internal parts can be reached and checked at each visit

We see this on many apartment buildings in Mauritius. Ask any supplier: where does the expanding water go?

“High Pressure” Vs Pressurised Two Very Different Questions

Both can honestly say “high pressure.” Only one releases its expansion through valves

High pressure, but open-vented

(Many vacuum tube systems sold here)

- Takes mains or pump-fed pressure at the inlet, so it can honestly be sold as “high pressure”
- The tank stays open to the air, so heated water expands and spills over the tank and tubes every day
- That daily spill builds the rust and calcium staining so common on Mauritian rooftops

High pressure and pressurised

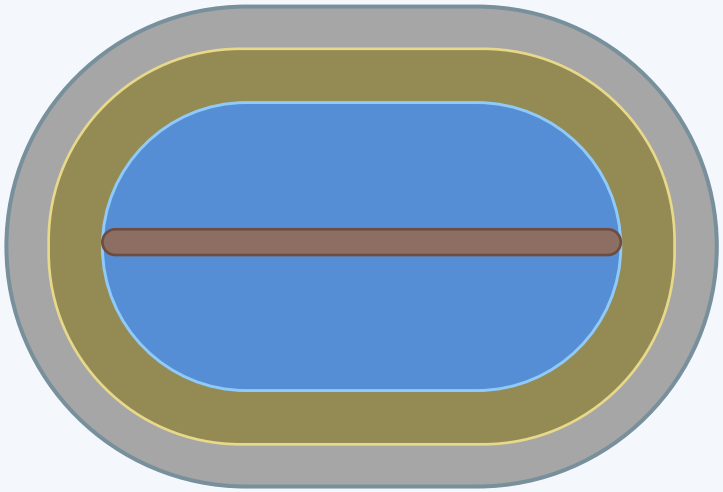
(Solahart L Series and split systems)

- Takes mains or pump-fed pressure at the inlet just the same
- Tank closed to the air in normal use: valves on the cold inlet and hot outlet release the expansion
- No daily spill over the tank and collectors, so no rusty staining running down the casing

So, high pressure or not, an open-vented system spills hot water by design. This includes many vacuum tube systems

A Serviceable Safety Net, Not a Blind Gamble

How the Solahart tank is protected, layer by layer



Aluminium casing (outer)

Protects from weather and UV. Decades of use show it remains strong and durable, even in coastal locations

Insulation layer, approx. 50mm

Sits between the outer casing and the inner tank

Ceramic-lined steel tank

A double layer of ceramic lining fused to the steel casing at over 800°C, preventing cracking or crazing under normal daily temperature and pressure changes

Sacrificial anode bar

Runs the length of the tank. Gives a visible, years-long warning sign, checked during a routine service visit

In contrast, a tank with no serviceable anode bar gives you little to check, and less warning before it fails. The anode lets you see wear years ahead, while there is still time to act

Can A Failed Part Be Replaced? Ask Before You Buy

Some designs put parts where they cannot be reached. Others keep every part within reach

Parts out of reach

(Some integrated designs)

- Certain parts, such as a heat exchanger coil, sit inside an internal tank
- Can all parts be accessed, seen and inspected?
- Can every part be replaced without replacing the tank?
- If not, that cost was not part of the original purchase price

Every part within reach

(Solahart systems)

- Tank, collectors, element, thermostat, valves and anode bar can all be inspected and replaced easily
- A failed part is a repair, not a new system
- Each year: panel cleaning, hot and cold valve checks, element and thermostat checks, system flush and anode inspection
- Our service plan includes these checks. A worn anode is replaced, with the part charged separately

The cheapest system on the day is not the cheapest over its life. Buy Right. Buy Once.

Why This Matters Here, Specifically

Mauritius' climate puts real, everyday pressure on both the collector and the tank

Humidity and salty air

Coastal, humid conditions accelerate corrosion at any weak point, a weld, a seam, or a fitting. Solahart's aluminium casing is documented as remaining strong and durable in coastal locations for decades

Hard or mineral-rich water

Local water, especially from boreholes, can be harsher on unprotected metal than some manufacturers' warranties allow for

Cyclone season

Wind-driven debris raises real breakage risk for any collector built from individual glass parts

High, sustained UV and heat

Australia's coastal, cyclone-prone regions face the same humidity, salt air, and high UV as Mauritius. The Solahart L Series was designed and proven in those conditions, not adapted afterward

The Solahart L Series : Built for the Long Run

- Flat plate collector, no glass tubes to break
- Enamel lining plus a replaceable anode bar is a proven, serviceable protection, not a blind gamble
- Decades of proven use in harsh, sun-intensive climates worldwide
- Backed by Delo So Solar's local installation and after-sales service
- Better long-term value, we recommend it on technology, not price alone



15 - 25+ yrs
design life

5 yr min
factory warranty

Backed by a minimum 5-year factory warranty on the tank and collector panels

Built to Last in Mauritius



Brand new



After 15 years, serviced



After 25+ years



Brand new Solahart (left) and a vacuum tube system several years old (right), on the same roof

What Actually Determines Value

	Solahart via Delo So	Other systems
Tank And Casing Material	Powder-coated aluminium casing contains no iron and cannot rust	Lower-grade stainless loses corrosion resistance in salty coastal air
Internal Protection	Super-Shield® vitreous ceramic lining plus a sacrificial anode, correctly specified	Protection method often not disclosed
Installation Quality	Fully installed and tested by us to keep the warranty valid, with maintenance plans available	Many are open-vented: hot water spills onto the tank and tubes by design
Collector Durability	Tempered glass flat plate is cyclone resistant	When non-tempered glass breaks, it shatters into very sharp fragments
Refrigerant Type	Atmos Eco 280: R290 refrigerant, GWP = 3 (future-proof)	R-134a refrigerant is more environmentally harmful and phasing out internationally
Design Life	15 - 25 year design life - Systems installed 30+ years ago are still in service here	Often shorter, depending on materials and upkeep
Warranty	Minimum 5 years factory-backed warranty on tank and collector panels	Terms vary by supplier: ask what is covered, for how long, and who honours it
Technical Support	Dedicated local technical support, with 40+ years of Solahart experience	Response times and consistency can vary

Measured over the true lifetime of the system, the higher initial purchase price is very often the lower-cost decision

Considering a Solar Water Heater?

Contact us for a free on-site assessment for your home

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Buy Right.
Buy Once.

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