

ESTABLISHED SINCE 1980

SolarMate™

A HERITAGE YOU CAN TRUST!



Malaysia's favourite name in Solar Hot Water Systems



Energy Saver



Money Saver



Earth Saver

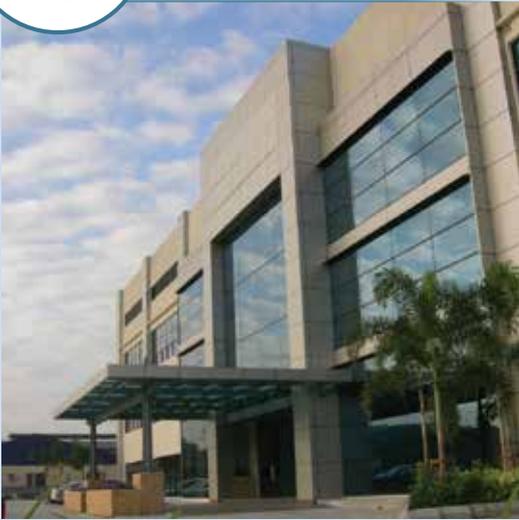


Space Saver

Residential | Commercial | Industrial



Malaysia's 1st Solar Heater Manufacturer



Why SolarMate

SolarMate is committed to provide our customer total peace of mind when it comes to after-sales service and after-sales support, pre-delivery and installation competencies.

- Malaysia's most experience
- Excellent customer testimonials
- A reliable customer support team
- In house installers and service personnel.
- Ongoing research & development



Energy saving



Save money



ECO friendly



Low cost maintenance



Designed for durability

SolarMate Solar Hot Water Systems

The pioneer manufacturer of solar hot water systems in Malaysia, SolarMate has been supplying hot water heating systems across the country for residential and commercial developments for over 35 years.



Did You Know?

Domestic water heating contributes a serious amount of greenhouse gas emitted from Malaysian homes. SolarMate solar hot water system can greatly reduce greenhouse gas emission and for every megawatt hour of electricity saved, one tonne of harmful CO₂ is avoided.



Environmentally Friendly



How much do I save by installing a solar hot water system for my house?

A solar hot water system would save you about RM1,000 per system of your yearly water heating bill. The exact amount of savings depends upon the size of your family, the way you currently heat your water and the size of your new solar hot water system.

Solar Water Heating Solutions

A HERITAGE YOU CAN TRUST!

"We are thrilled with our decision to go for SolarMate Hot Water System. The entire installation process was simple and straight forward. SolarMate Hot Water System has reduced our electricity bill for the past 10 years and it is still counting now. We also wish to thank you SolarMate team for their excellent after sales advice and service."

Bryan Lee, Mont Kiara

"The SolarMate Hot Water System was efficiently installed more than 15 years and has worked very well. The hot water provided by the SolarMate is very consistent. We experience no more sudden hot or cold water supply that can ruin our bath pleasure. We cannot rate SolarMate high enough and happily recommend the company and the solar hot water heating system to anyone."

Nicholas Sim, Taman Tun

MAKING THE RIGHT CHOICE

Experience The Exceptional Quality of SolarMate

For more than 35 years, SolarMate has been providing solar hot water for more than 30,000 households in Asia.

SolarMate Solar Hot Water Systems



Storage Tank Specification

Specification	SM-180	SM-300
Storage Capacity	180 L	300 L
Tank Dimension	1680 x 520 x 457 mm	2680 x 520 x 457 mm
Approx. weight (dry)	38 kg	56 kg
Approx. weight (operating)	218 kg	356 kg
Outer Casing Material	0.7 mm Aluminium / 0.45 mm Zincalume	
Base Plate Material	0.5 mm Aluminium	
Tank Insulation	High Density Cosmonate Foam (CFC Free)	
End Cover Material	Polyethylene UV Protected	
Cylinder Material	1.2 mm AISI Stainless Steel	
Nominal Working Pressure	400 kPa	
Test Pressure	1050 kPa	
Laminar Flow Stratifier	Stainless Steel	

classic^o

Affordable, long lasting solar panels



- Designed with high heat absorbance and low emittance.
- Laser welding for close contact and higher conductivity.
- Well rounded insulation with high density fibreglass and double silicone sealing.
- All time favorite for most users.

Specifications

Dimension	2000 x 1000 x 80 mm
Cover Material	4.0mm Tempered Glass
Heat Transfer Coefficient	4.398
Weight	35kg
Frame Material	Aluminium Alloy Anodised
Back Plate	0.4mm Galvanised Steel
Sealing Gasket	Triple Layer Silicone
Absorber System	
Material	Aluminium Plate
Surface Treatment	Black Chrome
Tube Material	Copper TP2
Header Tube	22mm x 0.6mm 2pcs
Riser Tube	10mm x 0.45mm 8pcs
Absorption Rate	0.94
Emittance	0.12
Insulation Density	24 kg/m ³

ruby^o

High performance solar panels



- Designed with higher heat absorbance and lower emittance.
- Ultrasonic welding for close contact and higher conductivity.
- Well rounded insulation with high density fibreglass and double silicone sealing.
- Hotter and faster than Classic.

Specifications

Dimension	2000 x 1000 x 80 mm
Cover Material	3.2mm Low Iron Tempered Glass
Heat Transfer Coefficient	4.398
Weight	35kg
Frame Material	Aluminium Alloy Anodised
Back Plate	0.4mm Galvanised Steel
Sealing Gasket	Triple Layer Silicone
Absorber System	
Material	Copper Fin & Tube
Surface Treatment	Black Chrome
Tube Material	Copper TP2
Header Tube	22mm x 0.6mm 2pcs
Riser Tube	10mm x 0.45mm 8pcs
Absorption Rate	0.95
Emittance	0.11
Insulation Density	24 kg/m ³

sapphire^o

All-weather solar panels



- Designed with higher heat absorbance and lower emittance, even on cloudy days.
- Ultrasonic welding for close contact and higher conductivity.
- Well rounded insulation with high density fibreglass and double silicone sealing.
- Suitable for areas that experience less sunlight.

Specifications

Dimension	2000 x 1000 x 80 mm
Cover Material	3.2mm Low Iron Tempered Glass
Heat Transfer Coefficient	4.398
Weight	35kg
Frame Material	Aluminium Alloy Anodised
Back Plate	0.4mm Galvanised Steel
Sealing Gasket	Triple Layer Silicone
Absorber System	
Material	Copper Fin & Tube
Surface Treatment	Blue Chrome
Tube Material	Copper TP2
Header Tube	22mm x 0.6mm 2pcs
Riser Tube	10mm x 0.45mm 8pcs
Absorption Rate	0.95
Emittance	0.11
Insulation Density	24 kg/m ³

apollo^o

Vacuum heat pipe-the ultimate in solar



- Designed for highest heat transfer efficiency.
- No heat loss though convection and conduction.
- Heat pipes are 100% copper for higher conductivity .
- Collection of solar energy from multiple angles allowing architectural freedom.
- Capable of withstanding hail impact up to 25mm size.
- Suitable for all climate from sub-zero to 90°C, and areas that experience less sunlight.

Specifications

Length	1800 mm
Outer Tube Diameter	58 mm
Inner Tube Diameter	47 mm
Material	Borosilicate Glass 3.3
Absorbance	≥ 0.93
Transmittance	≥ 0.89
Vacuum	5 x 10 ⁻³ Pa
Daily Solar Absorbance	7.9 MJ/m ²
Heat Pipe	
Material	Copper
Heat Conducting Fin	Aluminium
Thermo-stability	≥ 250
Heat Transfer Coefficient	≥ 220 W
Isothermal Performance	0.2 °C

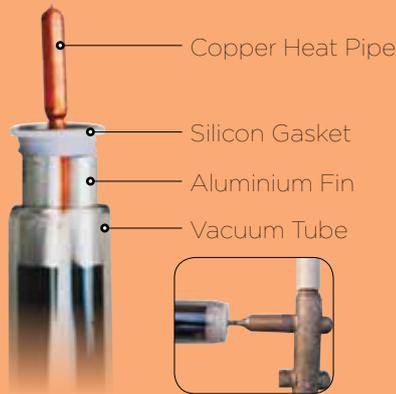
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in Solar Hot Water Systems

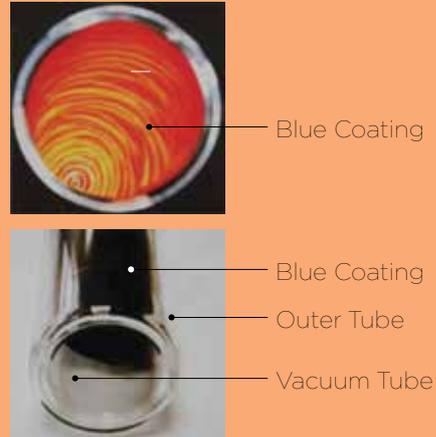


The Apollo series will ensure that you and your family will have the most efficient solar water heater system available in the market today.

Apollo Heat Pipe



Apollo Vacuum Tube



Excellent Durability

Solarmate solar hot water systems can last for more than 15 years. Since the inception in 1980, Solarmate has thousands of installations that lasted more than 2 decades.

Hassle Free

Solarmate solar hot water systems require minimal maintenance and can be as infrequent as every 3-5 years. In Malaysia, Solarmate also provides maintenance checkups for a minimal fee. These can be beneficial in extending the life of the system and ensuring optimum performance.

A Heritage You Can Trust!

Solar Water Heating Solutions Since 1980

Resorts, Hotel & Clubs

Lake Club, Kuala Lumpur
Royal Selangor Golf Club, Kuala Lumpur
Bukit Jambul Golf & Country Club, Penang
Eastern Hotel, Kluang
Resort West Hotel, Kota Kinabalu.
Berjaya Resort, Langkawi.
Berjaya Resort, Tioman Island, Pahang
Asiatic Resort, Beserah, Pahang

Commercial & Industrial

Pusat Rawatan Islam, Kuala Lumpur
Fatimah Hospital, Ipoh
Nawaloka Hospital, Sri Lanka
DBKL Sports Complex, Brickfields, Kuala Lumpur
Selangor Cheshire Home, Selayang, Selangor
Asean Bintulu Fertiliser Plant, Bintulu
Shell Housing Project, Bintulu

Others

Kompleks Kewangan Malaysia, Port Dickson
Jabatan Perkhidmatan Veterinar, West Malaysia
Institut Penyelidikan Perhutanan, Kepong, KL
Maktab Pengurusan Raja Melawar, Seremban
Maktab Pengurusan Islam, Bangi



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