

# TORA<sup>®</sup>

S O L A R   W A T E R   H E A T E R

Saving Energy  
Saving Carbon  
Saving Nature

*Brightening your day with TORA SOLAR!*



**12** YEAR WARRANTY  
BY LEONFAST SDN. BHD.  
SINCE 1979

**SUS** STAINLESS  
**316** STEEL

## INTRODUCTION

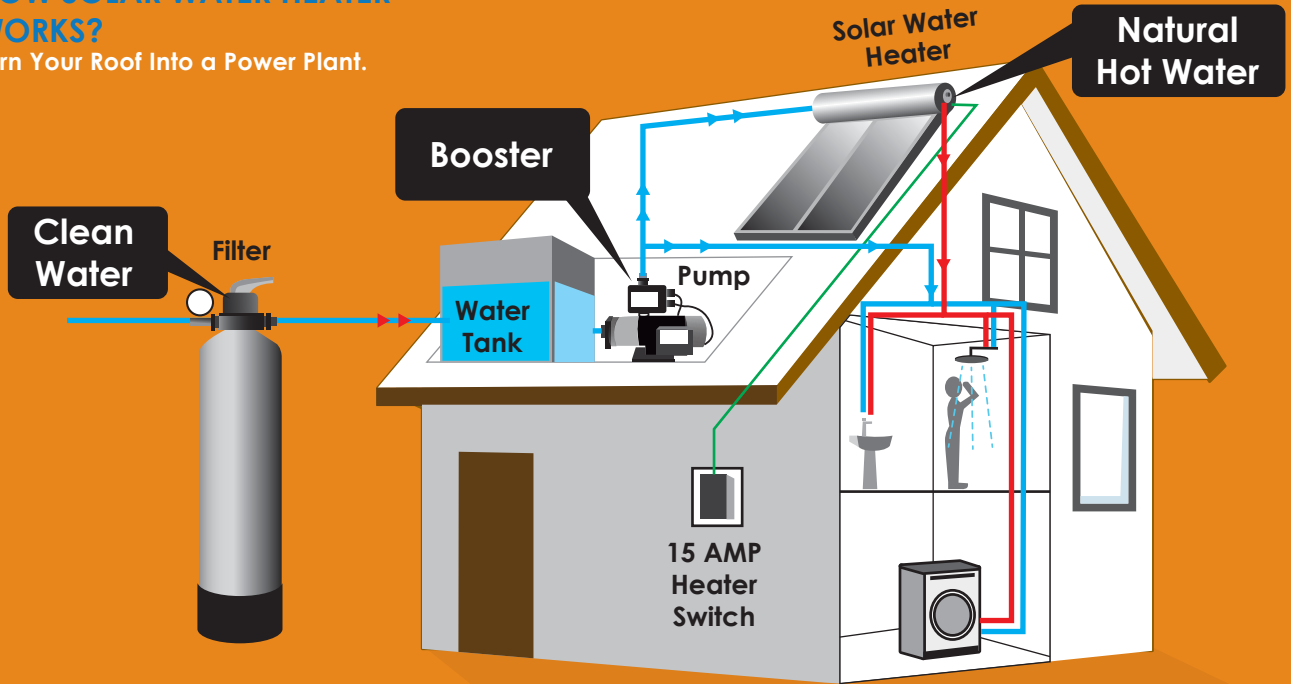
While many may rant & rave about the unrelenting heat, did you know that sunlight is one of the best gifts Mother Nature has given us? Realizing the potential & power of this amazing gift. **TORA Solar** brings to you solar water heaters that are revolutionary & safe. Backed & developed by a team of professionals with over 10 years of experience in the industry, **TORA Solar** harnesses the power of this potent energy.

Our water heaters are manufactured using cutting-edge technology from Australia yet produced in this very country where sunlight is natural & abundant. **TORA Solar's** water heaters require no man-made complexities, resulting in a product that is environmentally friendly & pure.

Consider the earth & its natural resources. Gifted with such reserves, let us do our part in ensuring the preservation of these natural gifts. As it is, **TORA Solar** is all about harnessing the best available power, delivering the best to you & at the same time, ensuring that we preserve the best for the future.

## HOW SOLAR WATER HEATER WORKS?

Turn Your Roof Into a Power Plant.



## TORA SOLAR WATER HEATER

Weatherproof outer casing in stucco aluminum.

Aluminum casing silver color

Larger collector panel for effective fast heating of water.

Light weight rigid structural casing. Made from top quality aluminum material.

High performance copper/ aluminum collector fit to increase heating rate.

Copper riser tubes per panel for high heat transfer & full water flow.

High Density pressure injected polyurethane foam for maximum heat retention.

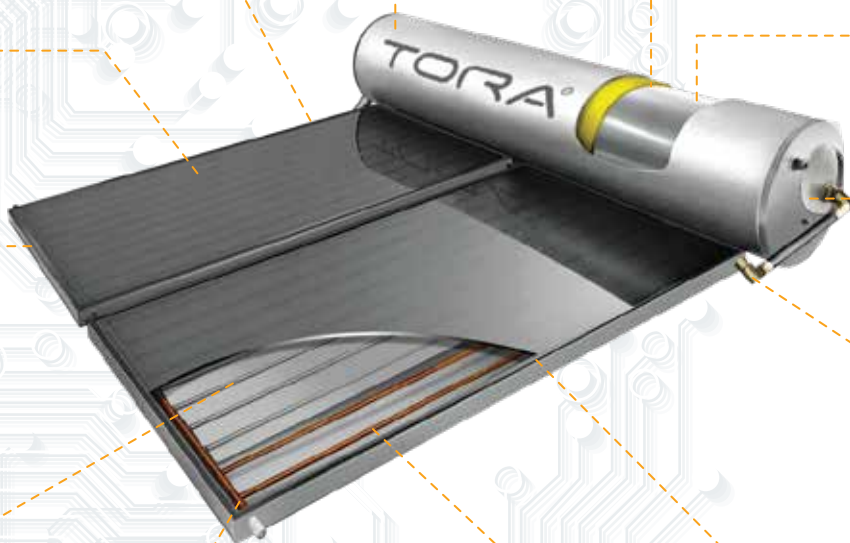
Stainless steel tank (Japan) provides excellent resistance to corrosion commonly found in hot water storage system.

Back-up electrical heater (Italy) with resettable thermostat for safety.

Two hot up riser water return pipe for higher efficiency & fast heating.

Low Iron solar glass for maximum transmission of solar radiation.

Aluminum foil with high density polystyrene foam/ rock wool to prevent heat loss.



# WHY CHOOSE US ?

<p><b>1</b></p>  <p><b>12 YEAR WARRANTY</b> BY LEONFAST SDN. BHD. SINCE 1979</p> <p><b>SUS 316 STAINLESS STEEL</b></p> <p>* Term &amp; condition apply.</p> <p>12 Years Warranty on Leaking by LEONFAST SDN BHD, established since 1979. TORA Solar Water Heater made with marine grade SUS316 stainless steel</p>	<p><b>2</b></p> <p><b>Electric Booster Element</b></p>  <p><b>Made in ITALY</b></p> <p>Electric Booster element 3.0kw Made in Italy, with safety thermostat. (Back-up electrical heater)</p>	<p><b>3</b></p>  <p><b>2 Riser Pipe</b></p> <p><b>More Riser Tubes 16 &amp; 20</b> * Series S, Series V</p> <p><b>Faster Heat Up</b></p> <p>16 or 20 nos of riser tubes, to ensure maximum solar energy collection and transfer to the stored water storage tank.</p>
<p><b>4</b></p> <p><b>Environment friendly</b></p>  <p>Reduce your carbon footprint, making your home an environmental friendly place.</p>	<p><b>5</b></p>  <p><b>SAVE Electric Bill RM300</b></p> <p>Save Money, you can cut your water heater energy by at least 50% or more.</p>	<p><b>6</b></p>  <p><b>Assembly Malaysia</b></p>  <p><b>Fast Services</b></p> <p>We provide fast services responses to customer, because TORA Solar assembled in Malaysia &amp; support directly from Malaysia.</p>



Shower & Jacuzzi



Dish Washing



Cleaner Laundry











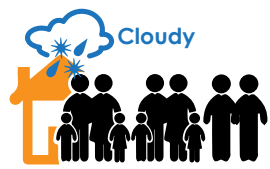



Industry



Facial or Cleansing

## Value Set Package

Series S	 <p>4 person</p>	 <p>S40 -40 Gallons</p> <p><b>12 YEARS WARRANTY</b></p>	<p>韩国进口 <b>iPURE</b> High Quality Water Filter</p>  <p>TORA Water Filter</p>	<p><b>TORA SILENFOZ BOOSTER PUMP</b></p>  <p><b>2 YEARS WARRANTY</b></p> <p>TH-2-40PC Water Pump</p>
Series S	 <p>6 person</p>	 <p>S60 -60 Gallons</p> <p><b>12 YEARS WARRANTY</b></p>		 <p><b>2 YEARS WARRANTY</b></p> <p>TH-2-50PC Water Pump</p>
Series V	 <p>7 person</p>	 <p>V66 -66 Gallons</p> <p><b>12 YEARS WARRANTY</b></p>		 <p><b>2 YEARS WARRANTY</b></p> <p>TH-4-40PC Water Pump</p>
Series VS	 <p>Cloudy 10 person</p>	 <p>VS60 -60 Gallons</p> <p><b>12 YEARS WARRANTY</b></p>		

## INFORMATION & SPECIFICATION

	SERIES S		SERIES V	SERIES VS
Model	S 40	S 60	V 66	VS 60

### Overall Dimension

Capacity (Storage Tank)	180 liters (40 Gallons)	272 liters (60 Gallons)	300 liters (66 Gallons)	276 liters (60 Gallons)
Overall Dimension (L x W x H)	1550 x 2308 x 480mm	2335 x 2308 x 480mm	2550 x 2308 x 480mm	2335 x 2308 x 480mm
Overall Weight (Empty)	73kg	115kg	128kg	134kg
Overall Weight (Full)	254kg	397kg	435kg	420kg

### Storage Tank

Cylinder Material	Marine Grade, SUS 316 Stainless Steel -1.2mm	Marine Grade, SUS 316 Stainless Steel -2.0mm
Outer Cylinder Case Material	Aluminum Stucco	
Insulation Material	High density pressure injected polyurethane foam (CFC Free)-50mm	
End Cap Material	Aluminum Stucco	
Nominal Working Pressure	400 kpa (4kg/cm <sup>2</sup> )	
Laminar Flow Stratifies	Available	
Relief Valve Setting	850 kpa (7kg/cm <sup>2</sup> )	1000 kpa (10kg/cm <sup>2</sup> )
Electric Booster Element	3.0 kw with safety Thermostat (Italy)	3.0 kw with safety Thermostat (Incoloy)

### Collector Panel

Design	Plate & Tube	Ultrasonic Welding		
Plate Material	Aluminum Fin & Copper Tube	Copper Fin & Tube		
Surface coating	Black Chromatt	Titanium Blue Panel		
Absorption coefficients	0.94 ± 0.1	>0.96 ± 0.02		
Emissions coefficients	0.12 ± 0.1	<0.06 ± 0.02		
Insulation	Foam Stryol & Aluminum Polyester Foil with High Density	Rock Wool with Aluminum Foil		
Riser Tube Material	Copper			
No of Riser Tube	10 tubes	16 tubes	20 tubes	20 tubes
Panel	1	2	2	2
Net Absorber Area	1067 x 1829 x 64mm	2134 x 1829 x 64mm	2134 x 1829 x 64mm	2134 x 1829 x 64mm
No of User	4 Persons	6 Persons	7 Persons	10 Persons
Glass Thickness/ Matetial	4mm Low Iron Glass			4mm Low Iron Tempered Glass

### Warranty Terms

Warranty Period (from date of purchase)	Warranty
First Year	Repair or at TORA sole discretion, replace without cost to the owner for any internal component under manufacturer defect or labour charges.
2 <sup>nd</sup> - 12 <sup>th</sup> Year	Repair or at TORA sole discretion, replace the parts under manufacturer defect. Installation/ labour cost & transport under responsibility of the buyer.



#### SOLE DISTRIBUTOR



Distributor:  
**LEONFAST SDN. BHD.**

No. 48, Jalan Taming Dua, Taman Taming Jaya, 43300 Seri Kembangan, Selangor.

**T: +603 8962 1366 / 1399 / 2366 F: +603 8961 6455 / 7455**

**SINCE 1979** E: project@leonfast.com.my Website: www.leonfast.com.my

We reserve the right To change specifications and designs and list price at any time without notice. All measurements are indicative only, factory confirmation is therefore recommended before plumbing works. Due to the limitations of the printing process, colour of the actual product may differ slightly from those in the catalogue.

**TORA®** Premium Dealer

## INFORMATION & SPECIFICATION

	SERIES S		SERIES V	SERIES VS
Model	S 40	S 60	V 66	VS 60

### Overall Dimension

Capacity (Storage Tank)	180 liters (40 Gallons)	272 liters (60 Gallons)	300 liters (66 Gallons)	276 liters (60 Gallons)
Overall Dimension (L x W x H)	1550 x 2308 x 480mm	2335 x 2308 x 480mm	2550 x 2308 x 480mm	2335 x 2308 x 480mm
Overall Weight (Empty)	73kg	115kg	128kg	134kg
Overall Weight (Full)	254kg	397kg	435kg	420kg

### Storage Tank

Cylinder Material	Marine Grade, SUS 316 Stainless Steel -1.2mm		Marine Grade, SUS 316 Stainless Steel -2.0mm	
Outer Cylinder Case Material	Aluminum Stucco			
Insulation Material	High density pressure injected polyurethane foam (CFC Free)-50mm			
End Cap Material	Aluminum Stucco			
Nominal Working Pressure	400 kpa (4kg/cm <sup>2</sup> )			
Laminar Flow Stratifies	Available			
Relief Valve Setting	850 kpa (7kg/cm <sup>2</sup> )		1000 kpa (10kg/cm <sup>2</sup> )	
Electric Booster Element	3.0 kw with safety Thermostat (Italy)		3.0 kw with safety Thermostat (Incoloy)	

### Collector Panel

Design	Plate & Tube		Ultrasonic Welding	
Plate Material	Aluminum Fin & Copper Tube		Copper Fin & Tube	
Surface coating	Black Chromatt		Titanium Blue Panel	
Absorption coefficients	0.94 ± 0.1		>0.96 ± 0.02	
Emissions coefficients	0.12 ± 0.1		<0.06 ± 0.02	
Insulation	Foam Stryol & Aluminum Polyester Foil with High Density		Rock Wool with Aluminum Foil	
Riser Tube Material	Copper			
No of Riser Tube	10 tubes	16 tubes	20 tubes	20 tubes
Panel	1	2	2	2
Net Absorber Area	1067 x 1829 x 64mm	2134 x 1829 x 64mm	2134 x 1829 x 64mm	2134 x 1829 x 64mm
No of User	4 Persons	6 Persons	7 Persons	10 Persons
Glass Thicknesss/ Matetial	4mm Low Iron Glass		4mm Low Iron Tempered Glass	

### Warranty Terms

Warranty Period (from date of purchase)	Warranty
First Year	Repair or at TORA sole discretion, replace without cost to the owner for any internal component under manufacturer defect or labour charges.
2 <sup>nd</sup> - 12 <sup>th</sup> Year	Repair or at TORA sole discretion, replace the parts under manufacturer defect. Installation/ labour cost & transport under responsibility of the buyer.

# TORA<sup>®</sup>

## SOLAR WATER HEATER

Saving Energy  
Saving Carbon  
Saving Nature

Brightening your day with TORA SOLAR!



SOLE DISTRIBUTOR

Distributor:  
**LEONFAST SDN. BHD.**  
No. 48, Jalan Taming Dua, Taman Taming Jaya, 43300 Seri Kembangan, Selangor.  
T: +603 8962 1366 / 1399 / 2366 F: +603 8961 6455 / 7455  
E: project@leonfast.com.my Website: www.leonfast.com.my

We reserve the right to change specifications and designs and list price at any time without notice. All measurements are indicative only, factory confirmation is therefore recommended before plumbing works. Due to the limitations of the printing process, colour of the actual product may differ slightly from those in the catalogue.

TORA<sup>®</sup> Premium Dealer

**12 YEAR WARRANTY**  
BY LEONFAST SDN. BHD.  
SINCE 1979

**SUS 316 STAINLESS STEEL**

## INTRODUCTION

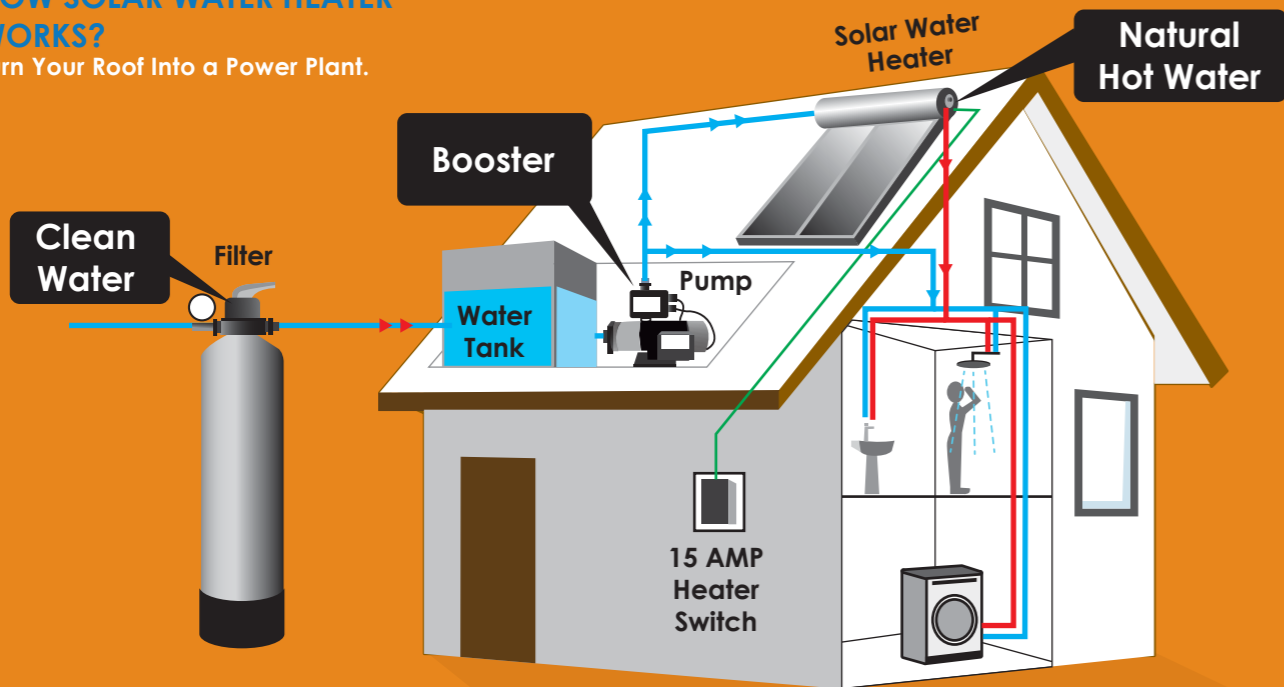
While many may rant & rave about the unrelenting heat, did you know that sunlight is one of the best gifts Mother Nature has given us? Realizing the potential & power of this amazing gift, **TORA Solar** brings to you solar water heaters that are revolutionary & safe. Backed & developed by a team of professionals with over 10 years of experience in the industry, **TORA Solar** harnesses the power of this potent energy.

Our water heaters are manufactured using cutting-edge technology from Australia yet produced in this very country where sunlight is natural & abundant. **TORA Solar's** water heaters require no man-made complexities, resulting in a product that is environmentally friendly & pure.

Consider the earth & its natural resources. Gifted with such reserves, let us do our part in ensuring the preservation of these natural gifts. As it is, **TORA Solar** is all about harnessing the best available power, delivering the best to you & at the same time, ensuring that we preserve the best for the future.

## HOW SOLAR WATER HEATER WORKS?

Turn Your Roof Into a Power Plant.



## WHY CHOOSE US ?

**1**

**12 YEAR WARRANTY**  
BY LEONFAST SDN. BHD.  
SINCE 1979

**SUS 316 STAINLESS STEEL**

*\* Term & condition apply.*

12 Years Warranty on Leaking by LEONFAST SDN. BHD, established since 1979. TORA Solar Water Heater made with marine grade SUS316 stainless steel

**2**

**Electric Booster Element**

Made in ITALY

Electric Booster element 3.0kw Made in Italy, with safety thermostat. (Back-up electrical heater)

**3**

2 Riser Pipe

**Faster Heat Up**

**More Riser Tubes 16 & 20**  
*\* Series S, Series V*

16 or 20 nos of riser tubes, to ensure maximum solar energy collection and transfer to the stored water storage tank.

**4**

**Environment friendly**

Reduce your carbon footprint, making your home an environmental friendly place.

**5**

**SAVE Electric Bill**  
RM300

Save Money, you can cut your water heater energy by at least 50% or more.

**6**

Assembly Malaysia

**Fast Services**

We provide fast services responses to customer, because TORA Solar assembled in Malaysia & support directly from Malaysia.



## TORA SOLAR WATER HEATER

- Weatherproof outer casing in stucco aluminum.
- Aluminum casing silver color
- Larger collector panel for effective fast heating of water.
- Light weight rigid structural casing. Made from top quality aluminum material.
- High performance copper/ aluminum collector fit to increase heating rate.
- Copper riser tubes per panel for high heat transfer & full water flow.
- High Density pressure injected polyurethane foam for maximum heat retention.
- Stainless steel tank (Japan) provides excellent resistance to corrosion commonly found in hot water storage system.
- Back-up electrical heater (Italy) with resettable thermostat for safety.
- Two hot up riser water return pipe for higher efficiency & fast heating.
- Low Iron solar glass for maximum transmission of solar radiation.
- Aluminum foil with high density polystyrene foam/ rock wool to prevent heat loss.

## Value Set Package

Series S	4 person	S40 -40 Gallons	12 YEARS WARRANTY	韩国进口 <b>iPURE</b> High Quality Water Filter	TORA SILENFOZ BOOSTER PUMP	2 YEARS WARRANTY
Series S	6 person	S60 -60 Gallons	12 YEARS WARRANTY		TH-2-40PC Water Pump	2 YEARS WARRANTY
Series V	7 person	V66 -66 Gallons	12 YEARS WARRANTY			TH-2-50PC Water Pump
Series VS	10 person	VS60 -60 Gallons	12 YEARS WARRANTY		TH-4-40PC Water Pump	2 YEARS WARRANTY
				TORA Water Filter		

# TORA<sup>®</sup>

S O L A R   W A T E R   H E A T E R

Saving Energy  
Saving Carbon  
Saving Nature

*Brightening your day with TORA SOLAR!*



**12** YEAR WARRANTY  
BY LEONFAST SDN. BHD.  
SINCE 1979

**SUS** STAINLESS  
**316** STEEL