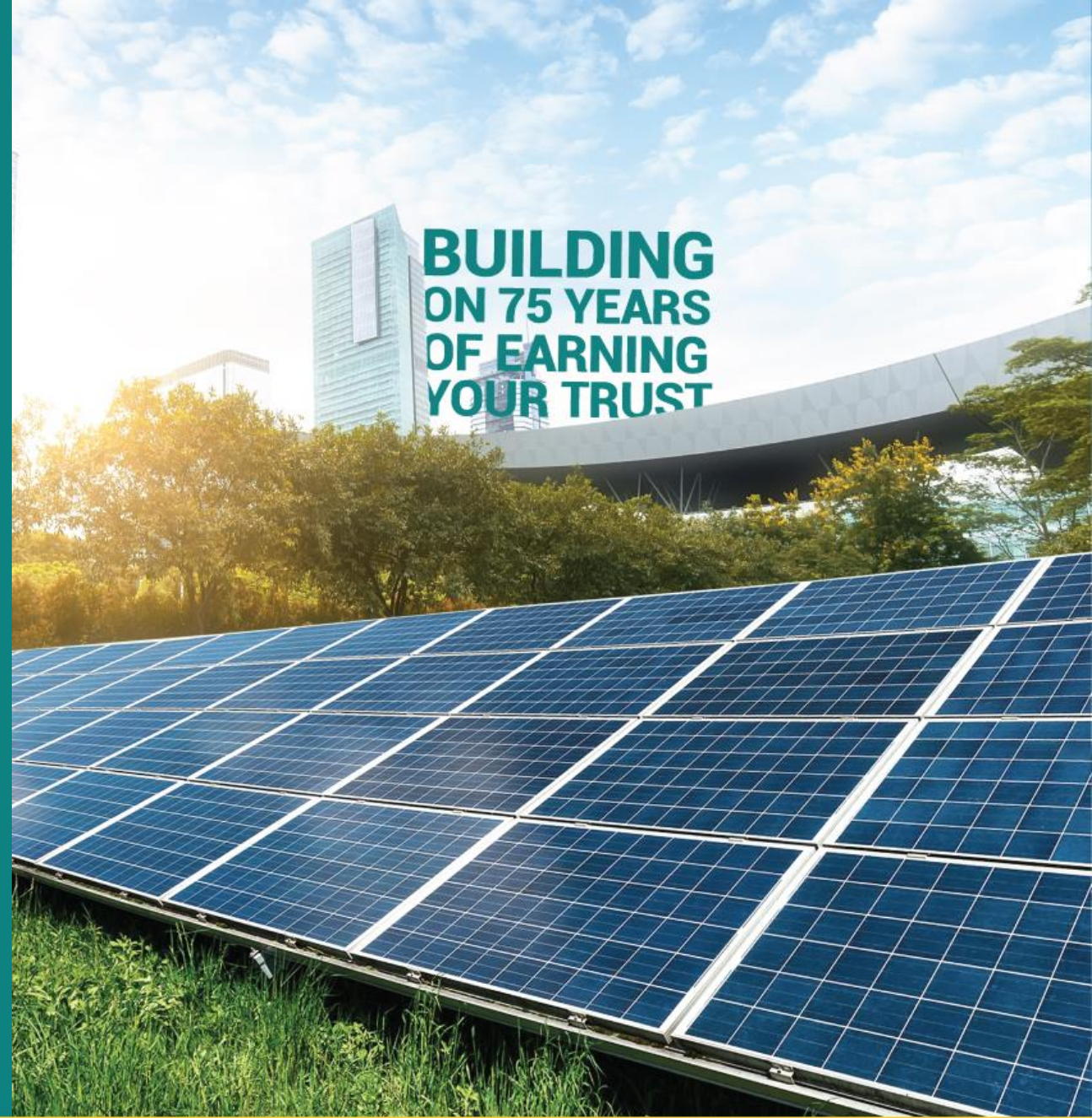


TURN YOUR
ROOF
INTO AN
ASSET



st. Anthony's SOLAR



**BUILDING
ON 75 YEARS
OF EARNING
YOUR TRUST**

St. Anthony's Hardware from its small beginnings has grown to a reputed private limited liability Company. The company has been in existence for over 75 years, and holds recognition as a pioneer in many fields of industry. It is today, an organization, that is acknowledged and well-respected throughout the country. St. Anthony's Hardware trades in a wide range of imports that caters to all domestic and industrial requirements.



CONTENTS

About STA	04
Why Solar	05
Why Go Solar - Economic / Environmental	06-07
Benefits Of Installing Solar	08-09
Types Of Solar Plans	10-11
How It Works	12
Components Of Solar Pv System	14
Solar Panels	15-17
Inverters	18
Monitoring	19
Other Components	20
Customer Testimonials	22-24
Solar Water Heating	27
Advantages Of Solar Hot Water System	28
How Does Solar Hot Water System Works	29
Pressure System	30
Non-pressure System	31

WHY



Nations largest service network



Established trust over 75 years



World's highest rated technologies



Tailor made solution's to your needs



Service provider for the nations largest corporations



Product performance beyond expectations

SRI LANKA ONLY GENERATES

3%

of its energy requirement through clean renewables like wind and solar,

the majority is through fossil fuels



Fossil fuels aggravate the environmental impacts of climate change when extracted, transported and burned,



THIS CAN CAUSE



The heating of the earth



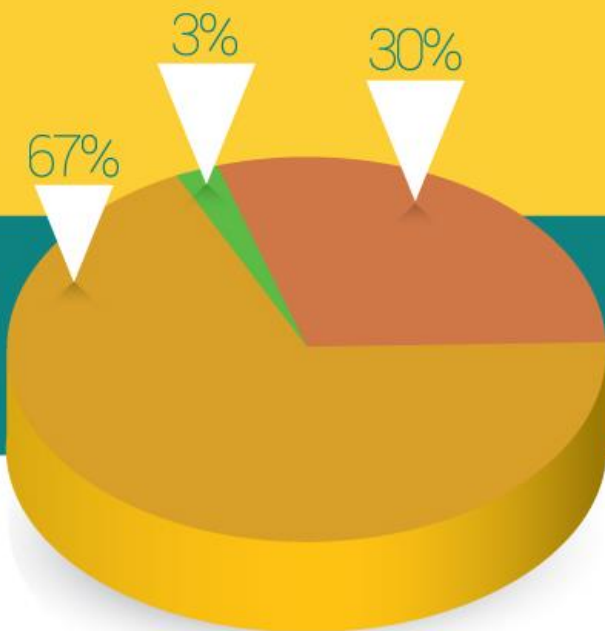
Melting of the ice caps



Droughts



Rising of sea levels



EARN 22 LKR/kWh

1st 7 years and afterwards LKR 15.50



Hydropower



Fossil Fuels



Clean Renewable



Droughts that make it harder to grow food and have access to clean drinking water, increasing hunger and famine



Destruction and contamination of drinking water, 3.4million deaths per year



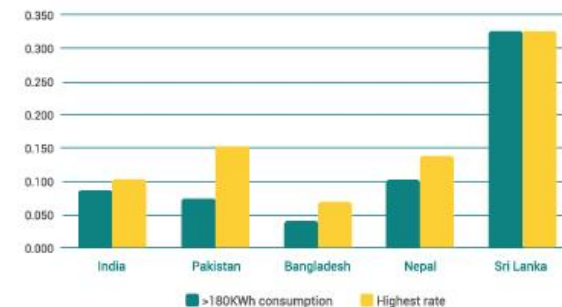
Hotter and more humid temperatures allow for the rise in vector-borne diseases like dengue



Air pollution alone attributes to 5.5million deaths/year

Sri Lanka is
one of the most
expensive energy
markets in the world

DOMESTIC RATES (US Cents/KWh)



53%

of Sri Lanka's energy expenditure goes abroad for coal and diesel

PERSONAL BENEFITS OF INSTALLING SOLAR



Reduce or eliminate your electricity bill



After the payback period you're earning money on your roof!



It's never been more affordable!



Turning your roof into an asset, Increases the value of your own home

TYPES OF SOLAR PLANS

01

Net Metering

Best choice when your bill is high and you have limited roof space



- Zero your bill if you generate as much electricity as you consume
- Energy you consume MINUS energy generated through solar = What you pay
- If you produce more than you consume, it rolls forward and is deducted from your next bill

02

Net Accounting

Best choice when your bill is low and you have more roof space to generate more electricity than consume



- Zero your bill if you generate as much electricity as you consume
- If you produce more electricity than you consume, you will be paid LKR 22/- per unit* for excess

HOW IT WORKS

03

Net Plus

Best choice when you are an industrial electricity consumer and when you cannot recover your electricity bill by solar, but still you have large roof area such as warehouse



- Earn LKR 22/- per unit* for all energy you generate
- Continue to pay electricity bill as it is



LECO
Lanka Electricity Company (Pvt) Ltd

When installing solar its important to choose a plan that best serves your need. are you trying to save on your bill or generate an Income

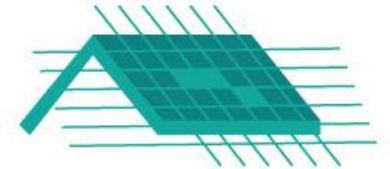
01

Submit the survey to request a free consultation
Our team will schedule a site visit at your convenience



02

Receive a customized solar solution report



03

Work with our team to explore financing options & sign the Solar agreement



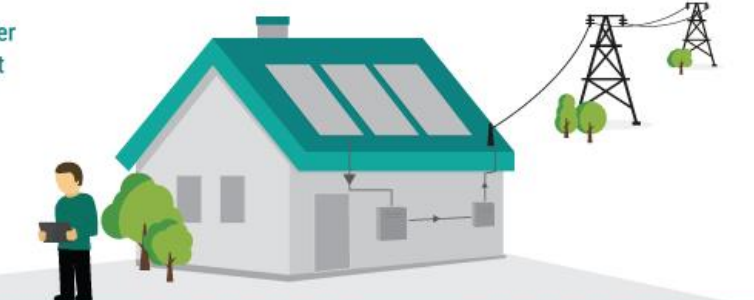
04

STA solar will install your system in a timely manner



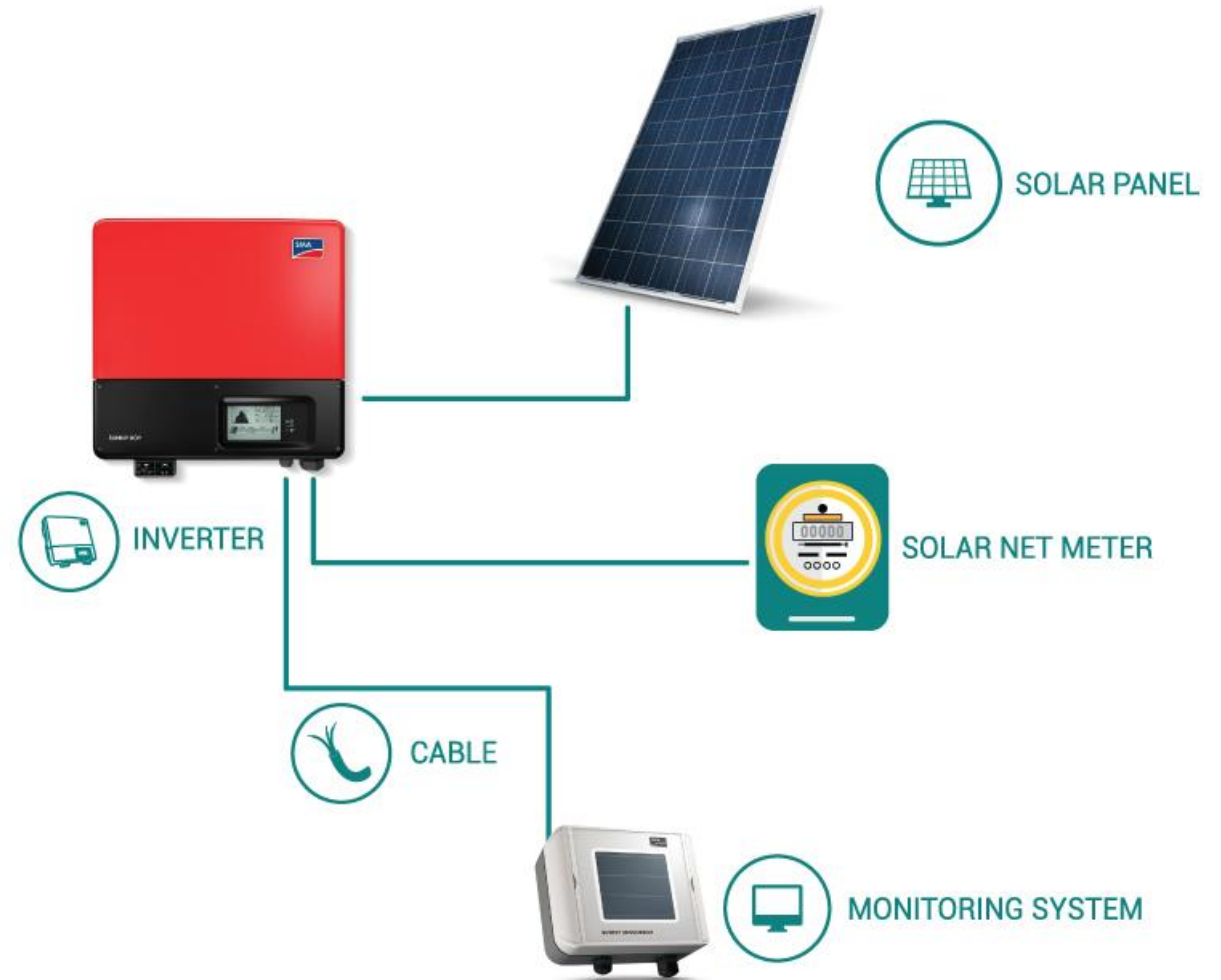
05

Generate clean solar power & earn on your investment



OUR COMPONENTS

COMPONENTS OF SOLAR PV SYSTEM



PANELS

ReneSola
POLYCRYSTALLINE



High Module conversion efficiency



Mechanical Load Capability up to 5400 pa



ISO9001, ISO14001, OHSAS18001 Certified



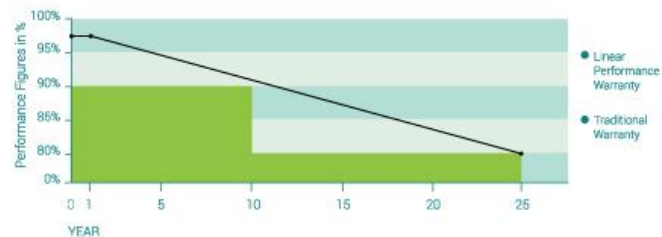
Easy installation and handling for various applications



Conforms with IEC 61215:2005, IEC 61730:2004, UL 1703 pv standards



Application Class A, Safety Class II, Fire Rating Class C



10 YEAR
material & workmanship

25 YEAR
linear power output



PANELS

ReneSola
POLYCRYSTALLINE

325W



6.25% lower
Transportation costs



12% lower
Land costs

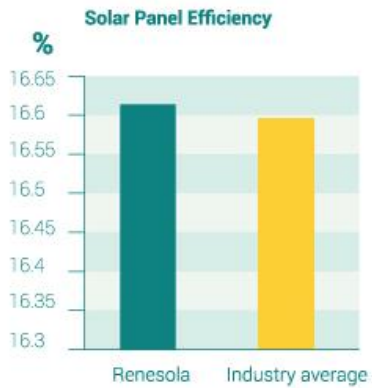


6% lower
Installation costs



6% lower
BOS costs

INVERTERS



MARKET AVERAGE EFFICIENCY 16.4%

RENESOLA EFFICIENCY **16.6%**



Made in Germany



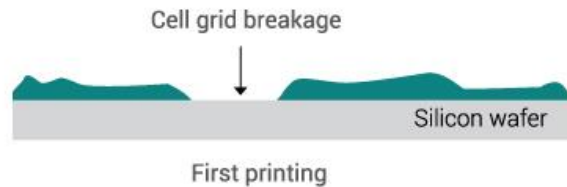
98.2% Maximum Efficiency



Highest rated inverter



5 years free



Note: Data is based on the comparison of the Renesola (320W) module and similar products on the market (320W)



SUNNY BOY FOR SINGLE PHASE CONNECTIONS



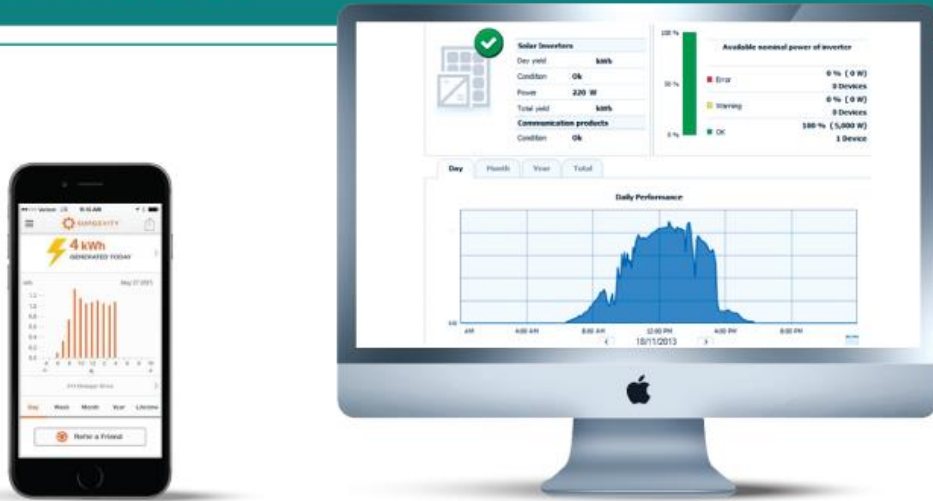
FOR BIGGER APPLICATIONS



SUNNY TRIPower FOR THREE PHASE CONNECTIONS

SUNNY TRIPower WITH HIGH CAPACITY PANELS

MONITORING



REAL TIME MONITORING CAN BE DONE



ONLINE VIA CONNECTING BY WIFI WITH THE INVERTER AND THE HOME ROUTER (SUNNY PORTAL)



LOGGING VIA ANDROID SMART PHONE BY BLUETOOTH (OXLEY SOLAR, FELIX SOLAR LOG- PAID VERSION)



LOGGING VIA WINDOWS DEVICES BY SUNNY EXPLORER BY BLUETOOTH

OTHER COMPONENTS

AC/DC CABLES

High quality cables are used for power wiring. Solar cable is the interconnection cable used in photovoltaic power generation. Solar cables interconnect solar panels to the inverter. Solar cables are designed to be UV resistant and weather resistant. The AC link is of high quality (Cu/PVC/PVC) Kelani cables. Selection of the wire sizes are made according to British standard BS 7671 and BS6346.



SURGE PROTECTION

The inverter comes with an inbuilt protection system for surge conditions. In addition to the inbuilt protection we provide external protection system to enhance the system's protection level. The unit includes DC Disconnecting switch, DC Surge arrestors, AC surge arrestors and MCBs. The warranty for this unit is 1 year for manufacturing defects.



MOUNTING STRUCTURE

Standard aluminium rail 4200mm length
Splice kits, End clamps, Mid clamps, legs



CUSTOMER TESTIMONIALS



System Capacity 30KW

"The 30Kw unit we have purchased is being very helpful in reducing our electricity bill. The installation time was very satisfying for us because it didn't clutter with any of our business activities."

Hotel Susantha Garden



System Capacity 21KW

"Our company purchased the 21Kw package. This has helped us to reduce the electricity cost which in return we were able to reduce the prices for our guests. The relationship STA Solar are maintaining would be highly commendable."

Modern City Inn -Negombo

CUSTOMER TESTIMONIALS



System Capacity : 5KW

The marketing team did an exceptional job on recommending and inquiring all are concerns. Due to this I was recommended 5Kw system after analyzing my current usage, which helped me reduce my electricity bill.

Dr. Sarath De Silva



System Capacity : 5KW

5Kw unit for my house reduced my electricity bill in a large scale. St. Anthony's Solar marketing team and the after sales team helped me in all the coordination and making it happen.

Mr. Nalaka



CUSTOMER TESTIMONIALS



System Capacity : 10KW

Since I was looking for an affordable solution to reduce my electricity bill I purchased the St. Anthony's Solar system. I am happy to say that we have a significant reduction in our electricity bill together with very helpful after service solutions.

Mr. Ikram Shahabdeen



System Capacity : 8KW

The company history and trust made me choose St. Anthony's Solar. I should add that they actually gave a service which kept the good name of the company while providing me with a solution to reduce my electricity bill significantly.

Mr. Christopher Fernando



System Capacity : 5KW

I purchased this unit without any recommendation but I'm extremely happy with the service rendered towards me together with exceptional product quality. This investment benefited by reducing my electricity bill.

Mr. Athula Liyanage



System Capacity : 17KW

The marketing team did an exceptional job on recommending and inquiring all are concerns. Due to this I was recommended 17Kw system after analyzing my current usage, which helped me reduce my electricity bill.









Mr. Farook Hadhi



SOLAR WATER HEATING

WHY



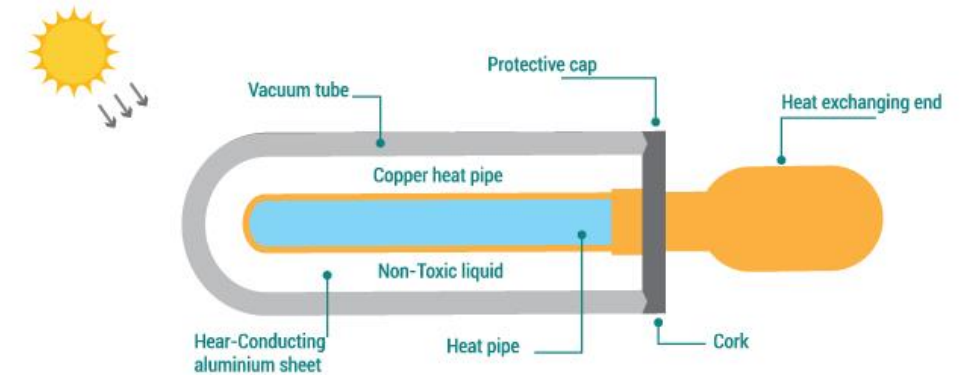
-  #1 Solar heating system in the market
-  Save on energy costs
-  It's ready when you are! No waiting for boiler to heat up
-  It works in all weathers
-  No negative environmental impact
-  Works during power cuts
-  High efficient tube system
-  Warranty up to 10 years

ADVANTAGES OF SOLAR HOT WATER SYSTEM

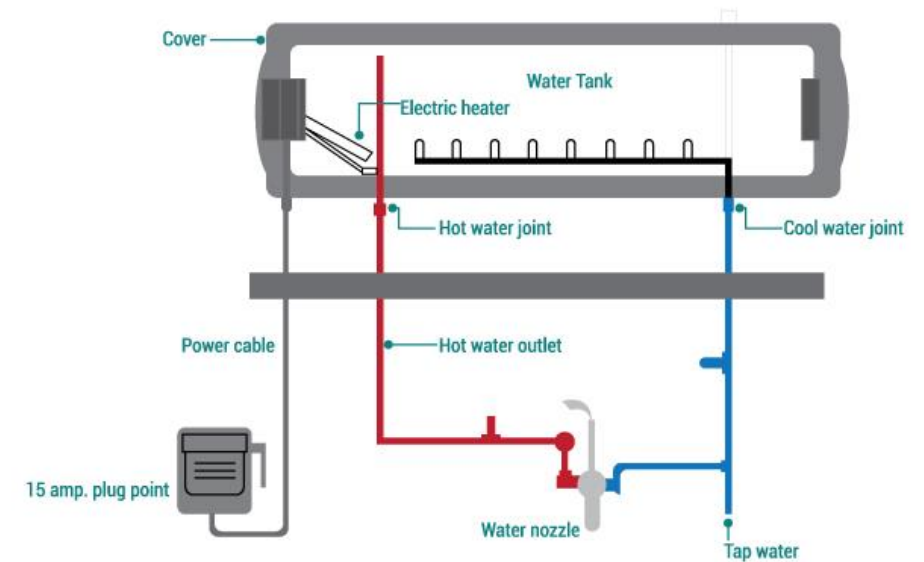


27

HOW DOES SOLAR HOT WATER SYSTEM WORKS



SOLAR HOT WATER SYSTEM CROSS-SECTION



28

PRESSURE SYSTEM

Tank Capacity	100L	150L	200L	250L	300L
Tank Material	Stainless Steel (Food Grade) thickness 1.5mm/0.4mm				
Heat Insulation Layer	Improved Polyurethane integral foming with 55mm thickness superior heat preservation				
Evacuated Tube	Coating with CU-S/S-AL/N, more efficient than the normal one				
Solar Tubes	10 Glass Evacuated Tubes	15 Glass Evacuated Tubes	20 Glass Evacuated Tubes	25 Glass Evacuated Tubes	30 Glass Evacuated Tubes
Dimension of Glass Evacuated Tube	D - 58mm L -1800mm C -10L	D - 58mm L -1800mm C -10L	D - 58mm L -1800mm C -10L	D - 58mm L -1800mm C -10L	D - 58mm L -1800mm C -10L
Weight of System	155kg	226kg	310kg	390kg	465kg
Weight - Tank	20kg	23kg	40kg	45kg	48kg
Weight - Tube	25kg	38kg	50kg	60kg	75kg
Weight - Frame	10kg	15kg	20kg	35kg	42kg
Dimension of Tank	L -890mm D -460mm	L -1370mm D -460mm	L -1730mm D -460mm	L -2460mm D -460mm	L -2460mm D -460mm
Typical Recommendation	1 Bathrooms+Panty (2-3 Persons)	2 Bathrooms+Panty (3-4 Persons)	3 Bathrooms+Panty (5-6 Persons)	4 Bathrooms+Panty (6-7 Persons)	upto 4 Bathrooms+Panty (8-9 Persons)

NON-PRESSURE SYSTEM

Tank Capacity	100L	165L	200L	250L	300L
Tank Material	Stainless Steel (Food Grade) thickness 0.5mm/0.4mm				
Heat Insulation Layer	Improved Polyurethane integral foming with 55mm thickness superior heatt preservation				
Solar Tubes	18 Glass Evacuated Tubes	18 Glass Evacuated Tubes	20 Glass Evacuated Tubes	25 Glass Evacuated Tubes	30 Glass Evacuated Tubes
Dimension of Glass Evacuated Tube	D - 47mm L -1500mm C -6L	D - 58mm L -1800mm C -10L	D - 58mm L -1800mm C -10L	D - 58mm L -1800mm C -10L	D - 58mm L -1800mm C -10L
Weight of System	163kg	246kg	304kg	390kg	439kg
Weight - Tank	20kg	23kg	40kg	45kg	48kg
Weight - Tube	33kg	40kg	44kg	60kg	66kg
Weight - Frame	10kg	15kg	20kg	35kg	42kg
Dimension of Tank	L -1390mm D -420mm	L -1500mm D -470mm	L -1740mm D -470mm	L -2400mm D -470mm	L -2400mm D -470mm
Typical Recommendation	1 Bathrooms+Panty (2-3 Persons)	2 Bathrooms+Panty (3-4 Persons)	3 Bathrooms+Panty (5-6 Persons)	4 Bathrooms+Panty (6-7 Persons)	upto 4 Bathrooms+Panty (8-9 Persons)



☎ 0775 839 861/ 0777 166 122

🌐 www.stanthonyssolar.lk

✉ solar@stanthonys.lk