



## Domestic solar water heating system



## Trans Solar Technologies brings you the best in hot water solutions.

- ❖ **State-of-the-art technology suitable for Heating Fluids upto 90 deg C**
- ❖ **Conforms to ISI and MNES Specifications**
- ❖ **20 Years power output warranty for fins and tubes**
- ❖ **100% Tax Depreciation**
- ❖ **Electrical Backup with Thermal cutoff system**
- ❖ **Aluminum sections are Anodized and powder coated**
- ❖ **Thermal Insulation with resin bonded Rockwool of Density 48 Kg/m**
- ❖ **Ultra Sonic Welding for permanent bonding between copper fins and tubes**
- ❖ **Working pressure 5 Kg/m**
- ❖ **System payback less than two years.**



# Trans Solar Technologies

TST Solar Water Heater Nov 2007



Fr. Muliers Hospital, Mangalore



Sagar Apollo Hospital, Bangalore



Hotel Rajdhani, Hyderabad

## Specification of collector

Size	2080 x 1050 x 100mm	Emissivity	< 0.02
Collector Frame	Extruded Aluminum	Number of Fins	09
Finish	Powder coated	Back sheet	Al. - 22 swig.
Colour	Green, Red, Orange, Off-white and Yellow	Glass	4mm, Toughened low iron content EPDM
Retaining angle	Al anodized Extrusion	Grommets & Beading	
Finish	Powder coated	Flanges	Brass
Absorber	Copper - Copper	Insulation	Rockwool
Absorber coating	Selective - Nalsun	Reflective foil	Aluminium - 100 & 50 microns
Riser & Fin joining	Ultrasonic welding	Corner & back sealing	Silicone Sealant
Absorptivity	> 0.96	Packing	Packing

