

Solar Energy has today without doubt established itself as the world's Most proven source of renewable energy. Free, inexhaustible and non-polluting, it's not surprising that today it is clearly considered to be the most attractive and viable alternative to the world's conventional sources of energy. The trend started first with forward thinking individuals & families and over the last 15 years solar energy has been progressively accepted and used by institutions, businesses and corporate bodies across the world to great satisfaction and tremendous savings.



# Sun-Wize™

BRINGING RENEWABLE ENERGY DOWN TO EARTH

**Solar Energy is FREE**  
No more worries of rising fuel costs



website: <http://www.sunwize.co.in>

## SOLAR - LED HOME LIGHTING

- State of Art "SOLID STATE LIGHTING" technology with long lasting LEDs.
- Advanced IC based circuitry. Low-Cost, high value proposition with negligible maintenance.
- Renewable and clean energy of SOLAR.
- AC charging option provided.
- Option for connecting add-on battery for additional back-up power.
- Longer runtime due to lesser power consumption.



## HOME LIGHTING SYSTEMS

- A stand-alone Solar Photo-voltaic system comprising :
  - CFL, Battery, PV Module, Luminaire, charge controller and mounting structures
  - Operation : 2 to 3 hours
  - Range : 1 to 6 lights (fan - optional)
  - Usable in house, shops, offices, banks, hospitals, hotels, farm houses, cottages, resorts, warehouses, garages, cellars, attics, workshops, remote areas, etc.



An ISO 9001-2000 accredited company



## SOLAR EMERGENCY LIGHTS

- Long Lasting LEDs with more than 30,000hrs life.
- Chargeable with both Solar & AC. Solar Panel available @ additional cost.
- 6V, 4.5 AH rechargeable battery.
- Continuous illumination of over six hours.
- Advanced IC based circuit.
- Automatic under voltage cut-off system. Automatic overcharge protection.
- 1 year warranty on manufacturing defects, 6 Months for battery.



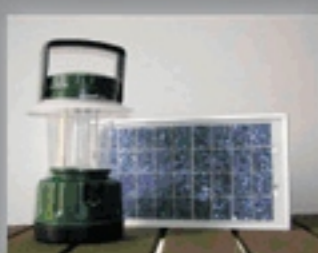
## GLASS TUBE SOLAR GEYSER

- Evacuated Vacuum Tube Collector.
- Fully Stainless Steel inner Water Tank & Supporting Structure.
- Thick PUF insulation for Superior heat Preservation.
- Easy Maintenance, Suitable for areas with hard water.
- Inbuilt back up system for non sun shine days.
- Approved by M.N.E.S (Govt. Of India).
- With automatic control panel for monitoring the temp. & water level in tank.



## SOLAR LANTERNS

- A portable lighting device
- Suitable for indoor and outdoor lighting
- Illumination equivalent to a 40 watt bulb
- Charging socket, charging indicator and a 'battery low' indicator provided to ensure charging and to indicate status of the lantern
- Sort white light - pleasant for reading



## SOLAR STREET LIGHTING SYSTEM

- A Stand-Solar Photo Voltaic system Comprising
- CFL LED, PV Module and mounting Structure
- Micro-controller based Driver circuit with over charge protection & under-voltage relay cut-off
- Lead acid tubular battery Operation: Dusk to Dawn Ideal for streets, approach roads, lanes & by-lanes, estates, security lighting, gardens, parks, etc.
- Approximate lumen output of 500 lumens per unit (6 LED model)



For more informations Contact us at:

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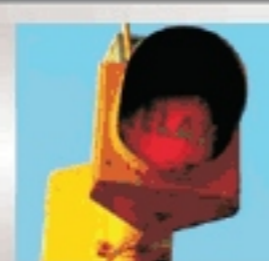
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DEALER STAMP



Solar Garden Light



Solar Road Flasher



Solar Multi Functional Light



Solar Torch



Solar Road Stud



Solar Cap with Fan

**Sun-Wize™**  
...energized tomorrow

## Solar Energy is CLEAN

It makes the world a healthier and better place to live



## Solar Energy is UNLIMITED

No one on earth has the power to control it



**Solar power** is the technology of obtaining usable energy from the light of the Sun. **Solar energy** has been used in many traditional technologies for centuries and has come into widespread use where other power supplies are absent, such as in remote locations and in space.

### Sallent Features of connect flat plate collector:

- High Operating Efficiency
- Suitable for heating fluids up to 85° C
- Durability
- High standard of quality
- More energy generated, per square meters Installed

### Advantages and fiscal benefits:

- No Maintenance and Operating Cost
- Safe and Long life
- Noise and Pollution Free
- Substantial savings on electricity
- 100% depreciation benefit for industries
- 20 years system life
- Return of investment 2- 2½ years

### Technical specifications:

- Temperature achieved: 60° to 85°C
- Collector Box - ISI Standard aluminum channels
- Glazing - High Transmission Toughened Glass of 4mm thick
- Riser - Copper - Copper Tig welding Fin and Tubes with Solar selective coating
- Header - Copper Pipe
- Insulation - Resin Bounded Glass wool / Rockwool / PUF
- Electrical Backup - incorporated
- Heat exchanger / pressurized design (optional)
- Custom-made designs to suit specific applications

Ideal for: Residences, Schools Colleges, Hotels, Canteens, Resorts, Apartments, Hospitals, Dairies, Process, Textile, and various conductivity industrial applications

**GET THE POWER OF SUN, NOW AT YOUR HOME, OFFICE, INSTITUTE, ETC. BY VERY EFFICIENT, ECONOMICAL AND RELIABLE SOLAR TERMINAL. THE RIGHT WAY OF YOUR FUTURE ENERGY NEEDS.**



**ETC ( Evacuated Tube collector )** Solar tubes are the absorber of the solar water heater. They absorb solar energy converting it into heat for use in water heating.

**"Twin-glass tube" technology** is chosen for its reliability, performance and low manufacturing cost.

Each solar tube consists of two glass tubes made from extremely strong borosilicate glass. The outer tube is transparent allowing light rays to pass through with minimal reflection. The inner tube is coated with a special selective coating (Al-N/Al) which features excellent solar radiation absorption and minimal reflection properties.

The average temperature attained is around 50 degrees during the cold months. Installation procedure is very simple and is relatively maintenance free. It is affordable with only one time cost.

Capacity - ( LPD )	For a family of	Temp °C	Unit Points (Outlets)
100	1-3	60-75	2
125	1-5	60-75	3
200	5-8	60-75	4
250	7-9	60-75	5
300	9-12	60-75	6
375	12-15	60-75	7
500	15-20	60-75	10

### Saving analysis

The table below shows the approximate electricity and monetary savings to be gained from the use for a solar thermal system

Fuel	Calorific Value (Kcal/kg)	Thermal Efficiency	Fuel Saved Per Annum	Fuel Cost	Amount Saved Per Annum
Fire Wood	4708	17.3	2127	3.00	6381
Kerosene	9122	50.0	380	20.00	7600
LPG	10882	60.0	265	30.00	7950
Coal	3302	75.0	699	20.00	13980
Diesel	10004	75.0	231	38.00	8778
Electricity	--	90.0	2230(KWH)	4.00	8920

\*Savings by using A 100 LPD Solar Water Heater at 60 Deg C



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