



Solar thermal systems use sunlight to heat water - for domestic use and commercial usage.

#### TYPES OF SOLAR WATER HEATERS

**Flat-Plate Collector (FPC):** Glazed flat-plate collectors are insulated, weatherproofed boxes that contain a dark absorber plate under one or more glass or plastic (polymer) covers. Unglazed flat-plate collectors -- typically used for solar pool heating -- have a dark absorber plate, made of metal or polymer, without a cover or enclosure.

**Evacuated-Tube Collectors (ETC):** They feature parallel rows of transparent glass tubes. Each tube contains a glass outer tube and metal absorber tube attached to a fin. The fin's coating absorbs solar energy but inhibits radiative heat loss. These collectors are used more frequently for U.S. commercial applications.

A typical 100 LPD (litre per day) system is sufficient to provide approximately 100 litres of hot water at an average temperature of 65°C every day on all sunny days. This helps save approximately 4 units of electricity daily (equivalent energy consumed by an electrical geyser) offering cost benefits of approximately Rs 4,000 per year. TPS solar water heaters are available in scalable multiples of 100. Large scale installations, for special applications

#### ADVANTAGES OF TESCA SOLAR WATER HEATER

- Quality: Durable and long life (life expectation more than 15 years)
- Service: Strong dealer network across country & well trained installation team
- Technology: Triplolayered evacuated tube technology for rapid water heating
- Better Insulation: Specially insulated storage tanks retain hot water for considerable amount of time, with minimal temperature drop at night
- Suited for Indian conditions: Our storage tanks are specially suitable for Indian hard water conditions
- Optimum conversion threshold: Higher efficiency
- Easier to install & maintain: Makes the system suitable for varied projects.

Solar water heaters are available with us in the following sizes:

Sr. No	Order Code	Size in LPD
1.	26021A	Non Pressure 100 Liters
2.	26021B	Non Pressure 150 Liters
3.	26021C	Non Pressure 200 Liters
4.	26021D	Non Pressure 250 Liters
5.	26021E	Non Pressure 300 Liters
6.	26021F	Non Pressure 500 Liters

Note: Specifications are subject to change.

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