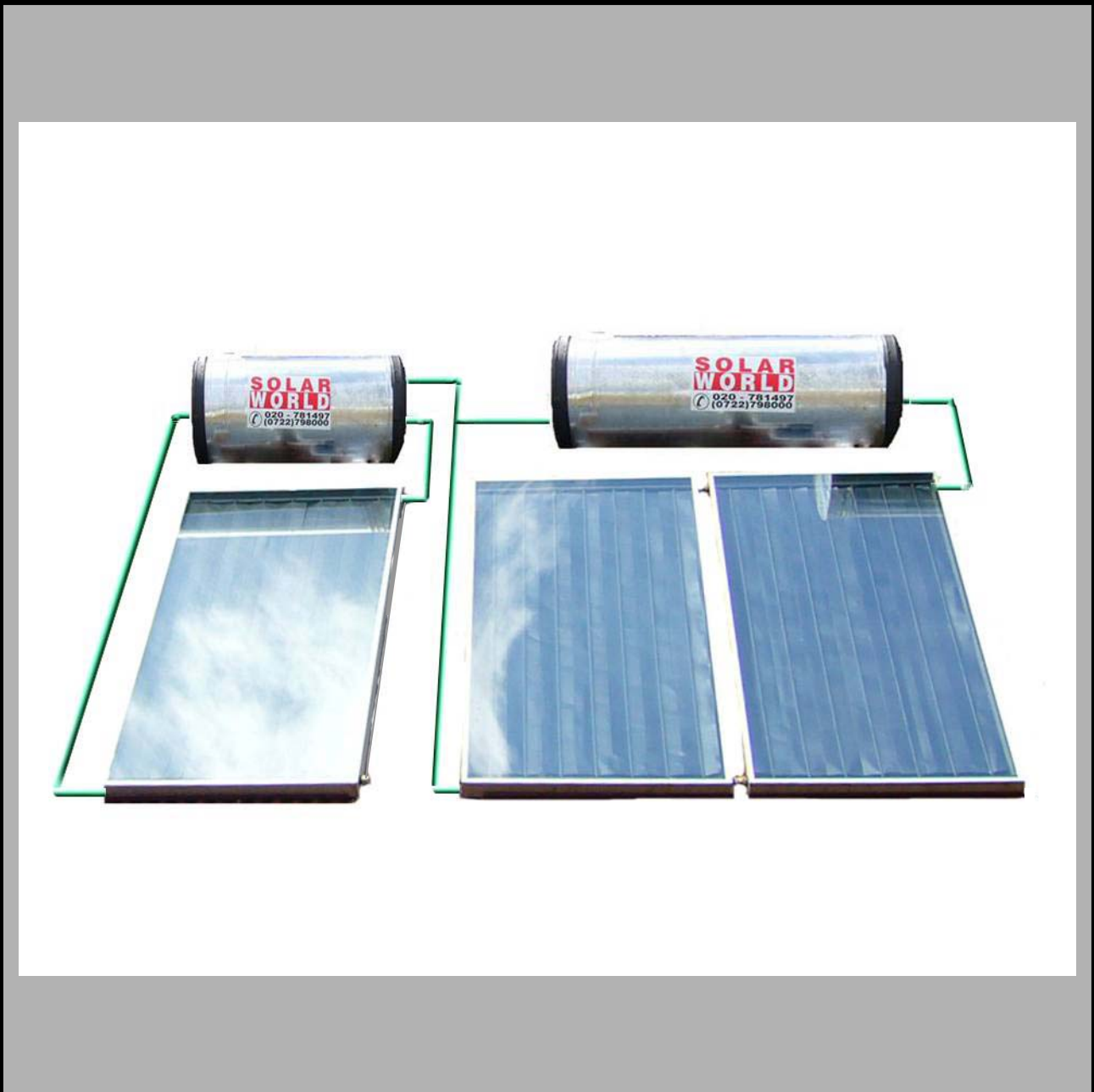


300L PRE-HEATING SOLAR WATER HEATING

DATA SHEET



SPECIFICATIONS

The 300 Liters solar water heating system comprises of 3no. 2.0M² flat plate solar heat collecting panels and 2no. Solar hot water tanks with a capacity of 100L and 200L. The system is essentially

an interconnection of two systems known as a pre-heating system designed to deliver maximum heating to the end user.; cold water from a storage tank or a supply line is fed to the first 100L system for preheating. The preheated water is then channeled to the 200L system for final heating ensuring that the final temperature of the hot water is very near boiling point. Such a system effectively prevents mixing of hot and cold water in the final hot water tank a feature that is responsible for the large size of solar hot water tank relative to the number of showers/users. What this means is that whereas a 300L non-preheating solar water heating system might be used by 6 to 7 showers/users, it is possible for a larger number of users to depend on a 300L preheating solar water heating system owing to the higher final temperatures of the water. Like other solar hot water units, the system gives hot water continuously for some 20 –30 years. Electricity savings can be as high as 85% of your bills with recovery of your investment being as fast as within 6 months to three years.

SYSTEM SIZE	300 LITERS
SOLAR HEAT COLLECTOR	3x2M ² Flat plate solar heat collector/panel
HOT WATER TANK	100+200L polyurethane foam insulated galvanized steel tank
SHOWERS	6 to 7 showers
LIFESPAN	20 years
HEATING TIME	4 to 6 hours
WARRANTY	5 YEARS

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