



AKSON'S DELTA- HOT BENEFITS AT A GLANCE

Sr. No.	Parameter	Conventional Natural Thermo Siphon System	Conventional Forced Circulation System	"AKSON'S DELTA"
01	Feasibility	Not feasible for large buildings	Feasible	Most feasible
02	Viability	Nil	Yes	Most viable due to unique operation
03	Efficiency	Low	Good	Highest
04	Aesthetics	Poor	Better	Best
05	Suitability for multistoried residential buildings	Poor	Average	Exclusively designed for multistoried
06	Space required	More	Somewhat less	Minimum
07	Load on rooftop Point Load	Heavy	Heavy	Extremely Low
08	Wind resistance	High	High	Low.
09	Autonomy (Control on allotted hot water per flat)	Nil	Nil	100%
10	Assured quantity of allotted hot water per flat	Not possible	Not possible	100%
11	Constant Temperature hot water flow	Not possible	To some extent	Fully Assured
12	Flexibility in use	Nil	Nil	100%
13	Gas / Electrical back-up	Expensive	Expensive	Economical
14	Heat loss from hot water tank / in the pipe lines	High	High	Minimum
15	Heavy Rigging	Involved	Involved	Not involved
16	Maintenance	Average	High	Low
17	Down Time (system non availability period in a year)	More	More	Ensures hot water on 24 X 365 basis in the most economical manner.
18	Integration with Building Management System (BMS)	Not possible	Not possible	Possible

'AKSON'S DELTA' is certainly the future of Solar Water Heating System in the 21st century, which is the result of years of painstaking Research & Development and field trials.

"AKSON'S SOLAR is committed to develop indigenous technologies / products in the field of New & Renewable Energy for the precise customer needs and contribute in a small way towards a greener & cleaner Earth"



AKSON'S
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AKSON'S SOLAR- THE ONE STOP SHOP FOR RENEWABLE ENERGY SOLUTIONS.

A Perfect Solution never before



Unique Concept
1st Solar Hot Water BMS in the world

The AKSON'S DELTA Advantage

WORLD'S FIRST EVER
UNIQUE & REVOLUTIONARY

SOLAR WATER HEATING SYSTEM



Freedom
From headaches of conventional solar system



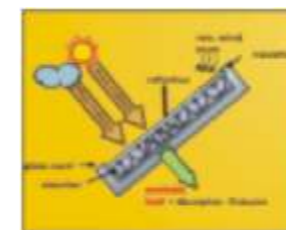
No Problems
Fully Programmable System



200% Confidence
Dual source hybrid system



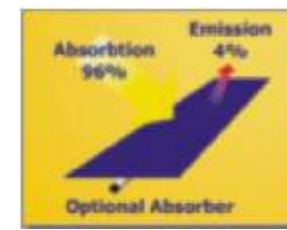
Guaranteed Hot Water



QUASAR
Concentrator Plate Collector



AKSON'S DELTA
Ideal Solution for Buildings



PVDSunselect™
PVD Coated Solar Absorber

With the Housing construction industry boom and ever growing power shortage, Solar Water Heating Systems have become a 'MUST' requirement for any housing project.

The Government directives also make installation of Solar Water Heating Systems mandatory.

The conventional Solar Water Heating Systems have two options: Individual & Common.



Individual Systems



Common System

Following are the common problems associated with conventional solar water heating systems for multistoried residential building:

- ▲ Lack of control on consumption by members resulting in disputes & dissatisfaction.
- ▲ The number of persons in a flat & hot water usage habits may vary, resulting in failure of standard per flat designed capacity provided, leading to disputes.
- ▲ Round the clock uncontrolled, intermittent use results in mixing of cold water in the hot water tank & unsatisfactory system performance.
- ▲ Availability of hot water for fixed hours / restricted timing, defeats the purpose of free hot water round the clock.
- ▲ Back up if provided to common systems, results in one paying even on non usage.
- ▲ Heavy heat loss during flow of hot water from the tank at the roof top to the flats due to difference of temperature at the peak bathing hours in morning / evening.
- ▲ Heat loss from the hot water storage tank being exposed to the weather on terrace.
- ▲ Concentrated point load on the roof slab of a tall building. This hampers the aesthetics of the building in a big way
- ▲ Wastage of water : the most precious natural resource
- ▲ Poor satisfaction due to time required to get hot water at tap

Unfortunately the solar manufacturing industry has not been able to provide any convincing solution to these problems.

As the number of floors are likely to go up in near future, & the class of customer more demanding, a good builder certainly needs a solar water heating system which is technically advanced, compact in size, offering one point solution to the above listed problems & attractive on the price.

"AKSON'S DELTA" is a unique fully programmable solar-grid hybrid water heating system that offers you a hot water system eliminating all problems associated with the conventional solar systems ensuring instantaneous hot water on 24 X 365 basis.

AKSON'S DELTA Features



Unique Concept



Freedom



No Problems



200% Confidence



Guaranteed



A Perfect Solution

- ▲ Solar Collector Array heats the water
- ▲ Insulated hot water storage tank provided for individual flat
- ▲ Computerised controller ensures dispensing of measured quantity Hot water at constant temperature till the last drop
- ▲ 100% autonomy on hot water quota
- ▲ Instant hot water
- ▲ 24 hours availability
- ▲ World class reputed components ensure reliability
- ▲ No effect of power failure
- ▲ Display unit indicating system status
- ▲ Foolproof hot water delivery
- ▲ Advantage of gaining bonus hot water quantity
- ▲ Gas/electricity backup heating system
- ▲ Intelligent, integrated Solar / grid hybrid system
- ▲ Ensures 24 hours hot water availability
- ▲ Fully automatic & care free system
- ▲ The first Solar Hot Water Building Management System (BMS) system in the world
- ▲ Most scientifically designed, eliminates all problems associated with conventional systems
- ▲ The perfect solution on single point turn key basis
- ▲ Annual Maintenance Contract (AMC) services available