English

ECOScience®

the world of energy saving

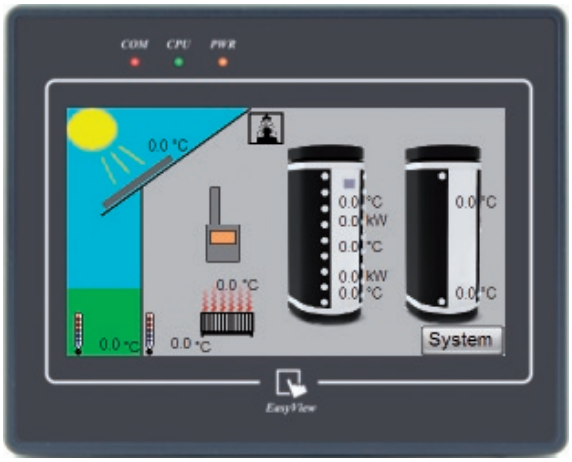
The energy centre of the future!

ECOScience System Tank

ECOScience Buffer Tank

ECOScience guarantees tangible improvement of **energy efficiency** in your home. This is achieved by efficient energy storage, optimal use of solar energy, and intelligent decoupling and control of all connected energy sources and users.

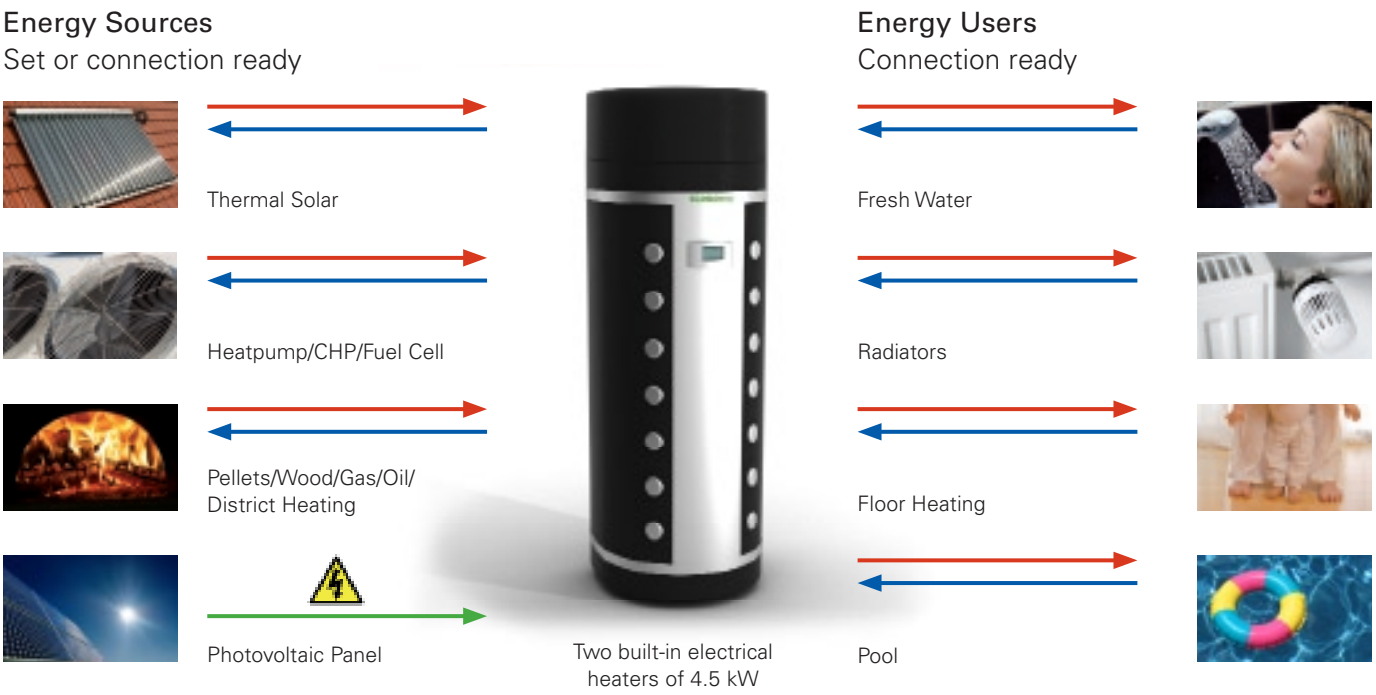
ECOScience product philosophy stands for graceful combination of superior comfort, elegant design, excellent energy efficiency, and convincing functionality. **Best Quality** comes first. ECOScience combines fully recyclable, lightweight materials with a compact design – an industry novelty. The innovative system is modular expandable and **plug-and-play** ready for easy installation and start-up.



ECOScience can be **connected to all energy sources such** as thermal solar, heat pumps, pellet burners, district heating, and also to conventional heating systems. Additionally, two internal electrical heaters are installed to secure the supply of energy.

ECOScience is **easy to use**. All functions can be comfortably entered and watched over the colour touch screen. The timeless design turns the energy centre into an **attractive eye catcher** in your home.

The energy centre decouples the energy sources from the energy users and controls all in the most efficient way.

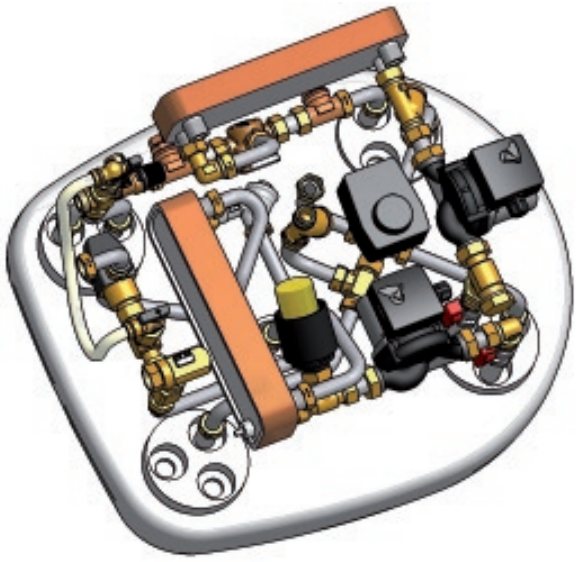


The Integrated Energy Centre

The fresh water module makes legionella free hot water on demand in the stainless steel plate heat exchanger and delivers it to the tapping point with optimal temperature.

An environmentally friendly energy mix is guaranteed by optimal use of solar energy through a solar loading module with a stainless steel plate heat exchanger.

A highly efficient distribution of heat energy is achieved by connecting the heating circuit to radiators or low temperature floor heating.



Cutting Edge Energy Efficiency

The patent pending storage technology is up to **40 percent more efficient** than any other system on the market today.

Profitable Weight Reduction

The **weight reduction of 60 percent** has direct impact on **transport and handling costs**. Worldwide market and technology leadership in aluminium tanks enables the producer to supply lightweight aluminium tanks for a price that is comparable to heavy steel tanks.

Visible Space Saving

The system **requires 30 percent less floor space** because of volume-optimized cross-sections, highly efficient expanded polypropylene (EPP) insulation and compact design.

Naturally Eco-friendly

ECOScience creates eco-friendly, sustainable products made of **fully recyclable materials** such as aluminium and EPP insulation. The intelligent energy centre reduces CO_2 emissions by reduction of start/stop cycles of wood fired heaters.

Practical Plug-and-Play

50 percent of installation time is saved by plug-and-play design integration of all components. The reliable plug-and-play system is quickly started up and **easy to use**.

Modular System
System Tank and Buffer Tanks

One or more buffer tanks can be connected to the system in case of larger volume requirements. The modular system extensions are adaptable to growing needs.

The system tank controls the buffer tanks and the loading/unloading module with integrated data communication.
All tanks are designed for easy installation considering standard room height and access door dimensions.

Proven Quality

P-Mark is a quality mark developed by SP, the Swedish National Testing and Research Institute. To receive the label, a product must fulfill requirements in four different categories: efficiency, safety, documentation and manufacturing quality. ECOScience system and buffer tanks are the first in the world to receive the P-mark.

System Tanks

ECOScience System Tank 6500i

ECOScience System Tank 8750wf

System Tanks – Integrated Energy Centre			
Model	Volume	Dimensions LxBxH mm	Weight kg
6300i	312 liters	770x650x1490	65.6
6500i	520 liters	770x650x2150	83.1
8500i	520 liters	780x800x1750	79.1
8750i	780 liters	780x800x2350	95.6

System Tanks – Wall Mount, Top Assembly			
Model	Volume	Dimensions LxBxH mm	Weight kg
6300Wt	312 liters	770x650x1410	47*)
6500Wt	520 liters	770x650x2070	64.5*)
8500Wt	520 liters	780x800x1670	60.5*)
8750Wt	780 liters	780x800x2270	77*)

System Tanks – Wall Mount, Front Assembly			
Model	Volume	Dimensions LxBxH mm	Weight kg
6500Wf	520 liters	770x650x1880	64*)
8750Wf	780 liters	780x800x2080	78*)

*) without energy centre 21kg

Buffer Tanks

ECOScience Buffer Tank 8750Bf

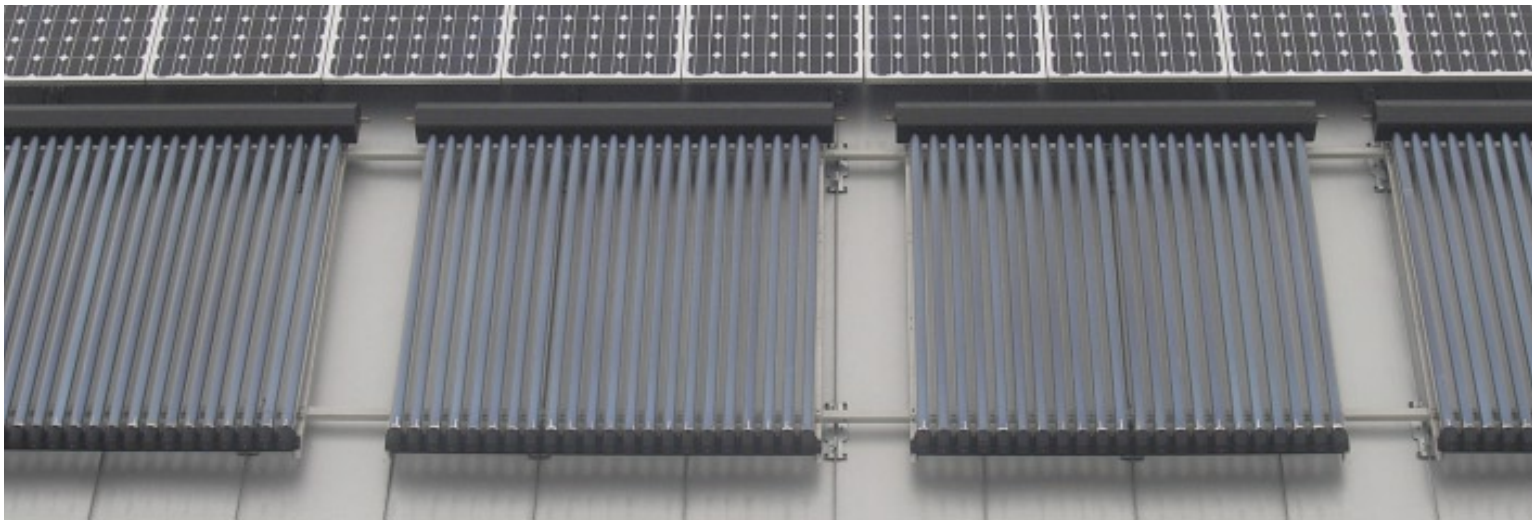
Buffer Tanks – Top Assembly

Model	Volume	Dimensions LxBxH mm	Weight kg
6300Bt	312 liters	770x650x1290	37.5
6500Bt	520 liters	770x650x1950	54.5
8500Bt	520 liters	780x800x1550	51
8750Bt	780 liters	780x800x2150	67.5

Buffer Tanks – Front Assembly

Model	Volume	Dimensions LxBxH mm	Weight kg
6500Bf	520 liters	770x650x1880	54.5
8750Bf	780 liters	780x800x 2080	67.5

Systems with Vacuum Tube Panels



Family Solar Sets with Vacuum Tube Panels

Model	Volume	Panels Aperture area	Hot Water	Space heating
6300i	312 liters	2 (4 m²)	2 - 3 people	–
6500i	520 liters	3 (6 m²)	3 - 5 people	–
8750i	780 liters	4 (8 m²)	5 - 7 people	–

Model	Volume	Panels Aperture area	Hot Water	Space heating
6300i	312 liters	3 (6 m²)	2 - 3 people	< 80 m²
6500i	520 liters	4 (8 m²)	3 - 5 people	80-150 m²
8750i	780 liters	6 (12 m²)	5 - 7 people	120-200 m²

High Output Solar Sets with Vacuum Tube Panels

Model	Volume	Panels Aperture area	Hot Water	Space heating
8750i	780 liters	4 (8 m²)	2 - 3 people	< 80 m²
6500i+6500Bt	1040 liters	6 (12 m²)	3 - 5 people	80-150 m²
8750i+8750Bt	1560 liters	8 (16 m²)	5 - 7 people	120-200 m²

Systems with Flat Panels

Family Solar Sets with Flat Panels

Model	Volume	Panels Aperture area	Hot Water	Space heating
6300i	312 liters	2 (4.8 m²)	2 - 3 people	-
6500i	520 liters	3 (7.2 m²)	3 - 5 people	-
8750i	780 liters	4 (9.6 m²)	5 - 7 people	-

Model	Volume	Panels Aperture area	Hot Water	Space heating
6300i	312 liters	3 (7.2 m²)	2 - 3 people	< 80 m²
6500i	520 liters	4 (9.6 m²)	3 - 5 people	80-150 m²
8750i	780 liters	6 (14.4 m²)	5 - 7 people	120-200 m²

High Output Solar Sets with Flat Panels

Model	Volume	Panels Aperture area	Hot Water	Space heating
8750i	780 liters	4 (9.6 m²)	2 - 3 people	< 80 m²
6500i+6500Bt	1040 liters	6 (14.4 m²)	3 - 5 people	80-150 m²
8750i+8750Bt	1560 liters	8 (19.2 m²)	5 - 7 people	120-200 m²

ECOScience is everywhere at home

The system is perfectly suitable for **single family homes** and also for **larger installations** because of its practical, modular extendibility.

Single Family Homes
Villas and Summerhouses
Low Energy Homes



Apartments
Swimming Pools
Sports Centres

Schools

Retirement Homes

Hotels

Greenhouses

Laundry Shops

Car Wash

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