

**Why heat your house with
anything but the sun?**



HYSS

Hybrid Solar System

A new heating system powered by the Sun - throughout the year!

- 10-YEAR WARRANTY
- LOWEST POSSIBLE
OPERATIONAL COSTS
- WISE INVESTMENT
- INCREASED COMFORT
- INTELLIGENT CONTROL
SYSTEM
- SUN AND ENVIRONMENT



HYSS is built on well-known and proven technologies, optimised to take advantage of the solar heat to its maximum. The system consists of solar collectors, inverter controlled heat pump, storage tank and energy storage in the ground.

HYSS is a heating system that will cover all your requirements for hot tap water and heating, without any supply from other heat sources.

HYSS is equipped with automatic measuring devices so you can always track the system performance in real-time (COP), during specified time periods and over the last year (SCOP). You can always check that the system actually delivers what the calculations predicted.

Read more on www.free-energy.com



POWERED BY THE SUN

In Solar collectors liquid is heated by energy from the sun. The liquid is then used to produce hot tap water and heating for the house.

Solar cells (photovoltaics) converts solar energy into electricity, used for all types of electric equipment. Investing in both systems will make you independent of the energy prices. With a correct combination of solar collectors, solar cells (photovoltaics) and heat pump, you could be self-contained and completely independent from energy costs.

Free Energy initially recommends a solar heating system for hot tap water and heating, since the efficiency is 4 times higher (40-60%) than for solar cells (10-15%). It's simply 4 times more efficient to produce heat and hot tap water with solar collectors, compared to converting solar energy into electric energy for heating and hot tap water.

This brochure explains how HYSS – Hybrid Solar System, extracts the highest possible heat from the sun. The complete heat range (high, medium and low) is used as the illustration to the right shows.


See how it works at:
www.free-energy.com



If we cover 2 per mille of Norway's land area with solar collectors and solar cells, the sun itself would be capable of producing Norway's total energy consumption for a whole year.

HYSS is a heating system that will cover your complete need for hot tap water and heating without additional heat sources.





With **high** temperature solar heating and an optimised storage tank, the sun is often able to heat the water to more than 60°C, without additional supply from the heat pump.

An ordinary house normally receives 4-5 times more solar energy than the household spends during one year.

The **mid-** and low temperature range is used to pre-heat the ground source liquid from which the heat pump retrieves energy. This will increase the heat factor (COP).

The mid- and **low** temperature range is also used to recharge the heat conducting material in the ground source energy storage. This energy will also result in an increased heat factor.

HYSS will cover your heating and tap water requirements, even for the pool.

THE CONTROL SYSTEM

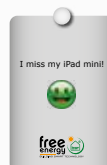
Each HYSS-system is supplied with an iPad mini, neatly recessed in a stylish cabinet containing heat pump and storage tank. A green Smiley 😊 shows that the system is operating correctly.

You can supervise and control your system, see how affordable the heat is produced with help from the sun, and compare it to other heating systems.

Since the menu is very user friendly, there is no need for any user manual. The control system is web-based so that you will be able to control your heating system from any PC, tablet or smartphone – anytime and anywhere.

A WISE INVESTMENT

- **Save money**
 - lower energy costs
- **Easy handling**
 - follow the system performance on the inspiring iPad mini
- **Great surety**
 - 10 years warranty on main components





WARRANTY AND APPROVALS

HYSS is built from the very best components on the market. As customer you will benefit from maximum efficiency, profitable operating costs and excellent warranty terms.

THIS IS WHAT YOU WILL GET:

- 10 year warranty on the heat pump compressor, storage tank and solar collectors.
- Measuring equipment so you can track the system performance in real-time (COP), during specified time periods and over the last year (SCOP). You can always check that the system actually delivers what the calculations predicted.
- The system is connected to an on-line web server to enable quick troubleshooting and action if needed. Automatically you also get the latest and best software.

Read more: www.free-energy.com

Do you like the idea of a new heating system powered by the sun?

Use the Quick Calculation to see how much savings you can achieve compared to your present or planned heating system. You can also get an on-line quotation showing what your costs will be.

Visit www.free-energy.com



Use our 15 seconds Quick Calculation to find out more about your savings.



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