

ELNUR
powered by
Gabarrón

The Worlds First Renewable Energy Powered Storage Heater



The worlds first renewable energy powered storage heater

SOLAR HHR STORAGE HEATERS

The smart Elnur SOLAR High Heat Retention storage heater allows the use of energy from solar panels and other renewable sources, Wind, Geothermal, Ocean etc to reduce heating costs using free energy from renewable energy sources. When there's not enough renewable energy production, it uses cheaper off-peak power to charge and provide heating.

Solar Manager Technology

This is the latest of our innovations, developed and patented by us here at Elnur. The Solar Manager technology is capable of detecting any surplus solar energy* that may not be fully used in the home. This electric energy can be redirected to the thermal storage unit to heat rooms even when renewable energy production has stopped.

This technology can also manage the output of several storage heaters and distribute the energy available according to the established heating needs. The user can give priority to each appliance, ensuring the efficient distribution of available power to maximise indoor comfort at the lowest cost.

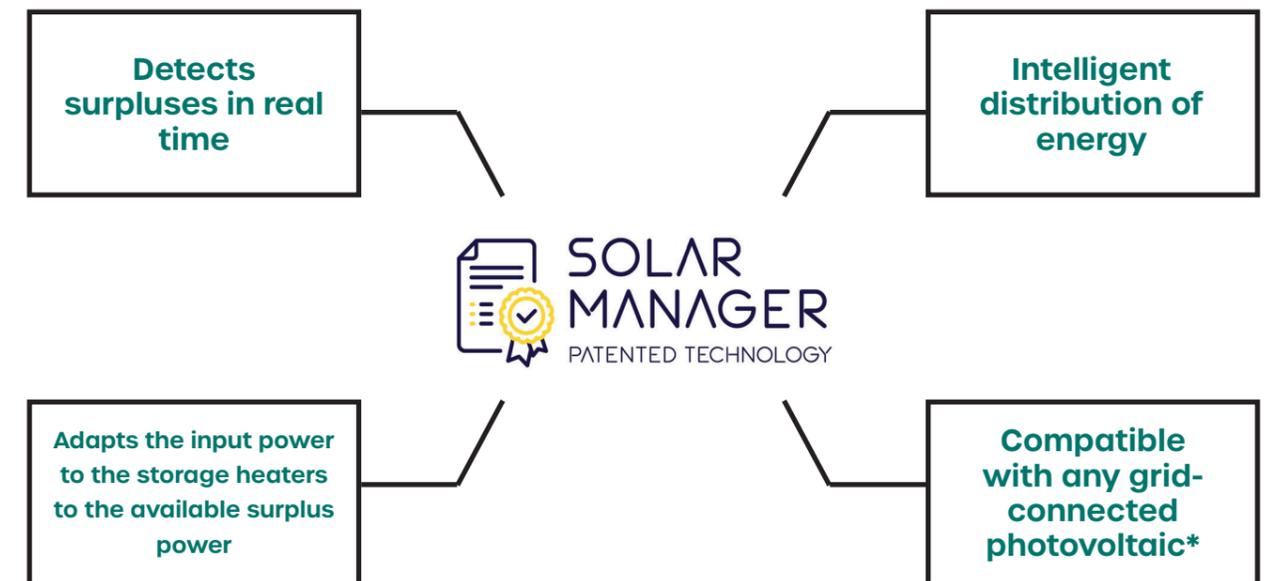


* Surplus energy from any renewable input.

Utilisation of surplus from photovoltaic or other renewable sources

Elnur's SOLAR High Heat Retention is the first storage heater on the market that can utilise a household's solar or other renewable generation, and converts the renewable energy into stored heat for delivery gradually into the room as required, providing the household with free heating.

If the surplus production is insufficient to provide the heating desired, Elnur's SOLAR High Heat Retention can function as a conventional High Heat Retention storage heater by completing the charge during off-peak hours.



* Compatible with any grid connected renewable



Exclusive smart solar storage heating, efficiency and comfort with clean and sustainable energy.

Designed to suit any household suitable for renewables, our SOLAR High Heat Retention storage heaters can be configured to use the energy from solar panels, off peak electricity tariff or a combination of both.

Option 1 - Use SOLAR HHR as your main heating system

Even without an abundance of sunshine, solar energy is still produced. We are now having colder winters and standard energy costs are increasing.

With our SOLAR High Heat Retention storage heaters, you can easily set the heater in the combined operating mode. The storage heater will utilise all the solar energy surplus produced and, if necessary, complete the appliance charge using the most economic off-peak tariffs to provide heating throughout the day and night as required. This mode ensures the use of all the solar energy available and completes the storage heater charge to obtain maximum output and constant comfort.



Option 2 - Use SOLAR HHR with your existing heating system to significantly reduce operating costs and boost comfort levels.

Do you have an existing heating system but want to dramatically reduce operating costs?

Elnur's SOLAR High Heat Retention storage heaters can be programmed to only consume free energy, using surplus solar power* that would otherwise be fed to the grid. Once converted into stored heat, it's delivered to the room through the Elnur SOLAR High Heat Retention storage heater automatically adjusting to ensure maximum comfort every day. This operating mode is ideal for reducing running costs of existing heating systems such as heat pumps, wood fires or gas heaters.

* Compatible with any grid connected renewable



Integral Management via WiFi

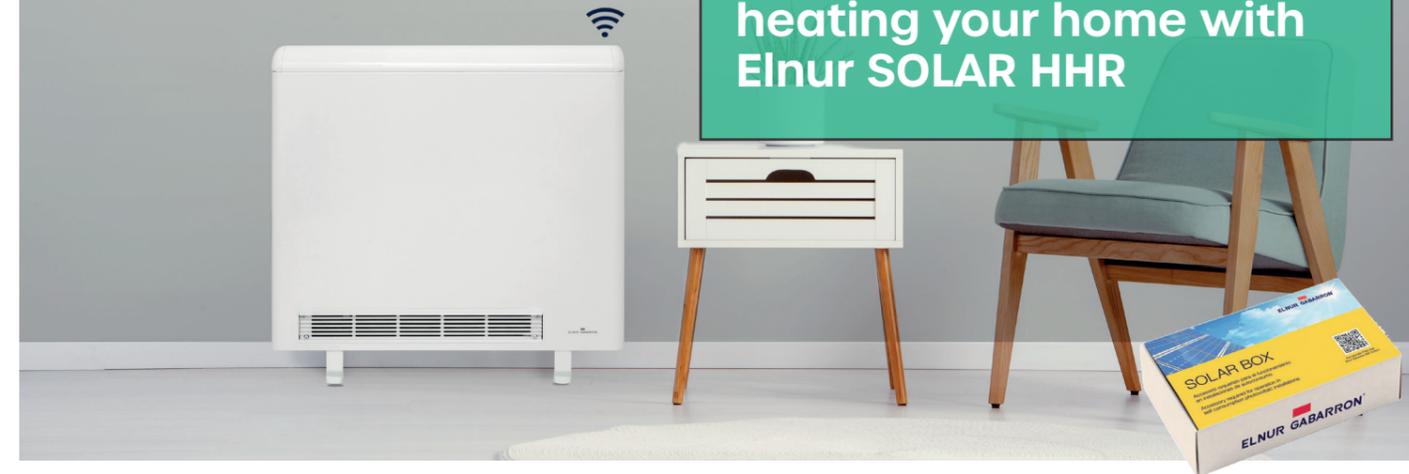
The integral management of heating and the distribution and use of the solar production, as well as the control of the SOLAR High Heat Retention storage heaters, is possible through the G-Control system via the free Elnur WiFi control app.

- 1 Displays the distribution of the surplus for heating on a daily, monthly or annual basis
- 2 Establishes the heating priorities for each room
- 3 Selects the operating mode best suited to the comfort desired
- 4 Chooses and defines the setpoint temperature on each of the appliances



The smart way to make use of your investment in solar panels.

Reduce the rising cost of heating your home with Elnur SOLAR HHR

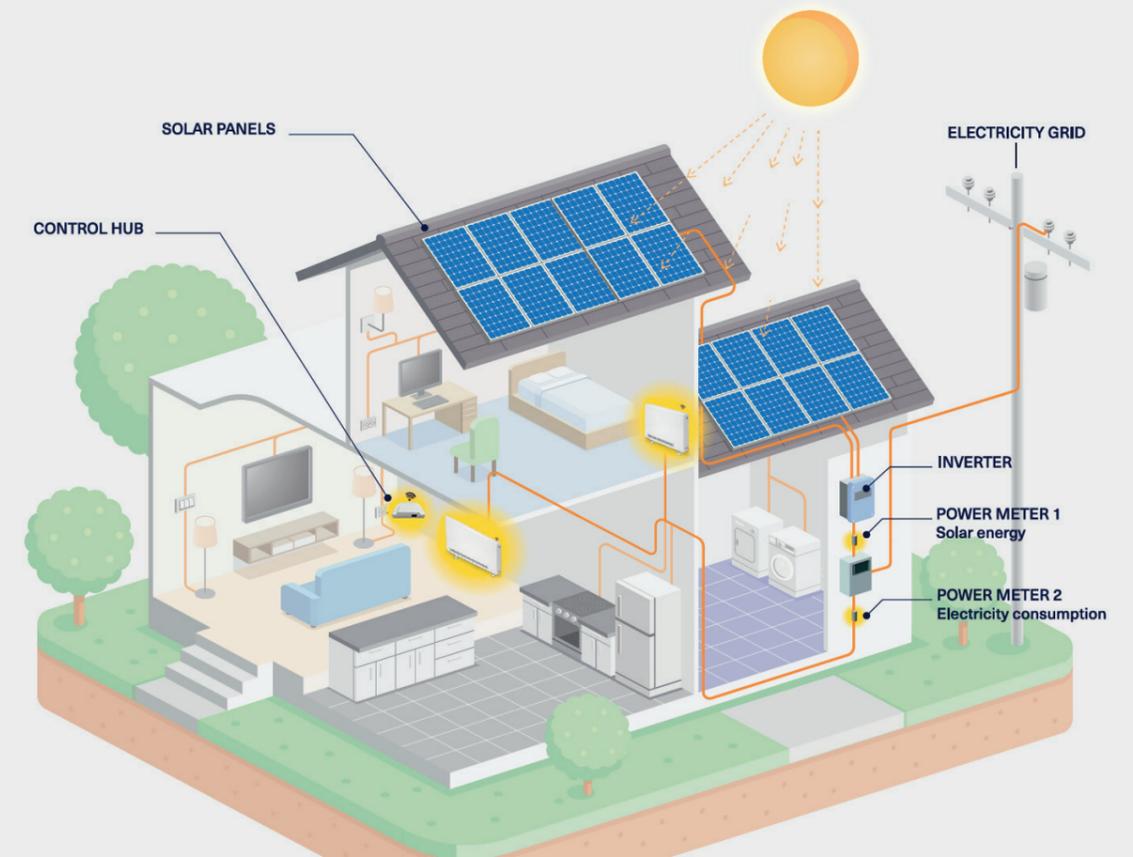


Only one Solar Box needed for an entire installation up to 30 heaters

The Solar Box accessory is a solar kit for the integral control and management of Elnur SOLAR High Heat Retention storage heaters through the G Control System.

The Solar Box accessory contains the G Control Hub and the power meters required for the connection of the storage heaters.

Compatible with all inverters on the market.



SOLAR HHR



Maximise self-consumption installations with surplus delivered to the grid



- ✓ Transforms surplus energy into heat
- ✓ Daily and weekly programming
- ✓ 12 year warranty*
- ✓ Integral management via WIFI**
- ✓ Patented Solar Manager Technology
- ✓ Single supply only***



- + Charges using low-cost off-peak energy, solar energy, other generated renewable energy or a combination of the above.
- + Elnur SOLAR High Heat Retention storage heaters can operate as a back-up system to the main heating, consuming only the surplus energy from photovoltaic and other generated energy or they can operate as the main heating system.
- + Automatically adapts to available surplus energy and selects one or more input elements to be activated, in one or more heaters on the same G-Control system.
- + Intelligent WIFI control, via the additional G Control Hub. Control Solar and on peak power direct from the app or web app.

- + Fan assisted heat distribution to provide faster room warm-up times.
- + Elnur SOLAR MANAGER Technology, manages the surplus and distributes to multiple heaters connected to the G-Control system.
- + Perfect electric heating product for those wanting to get the most out of their solar pv or other renewable energy.

Technical Features

- Static, programmable and self-regulating SOLAR storage heater with WIFI control.
- Converts all the available self-consumption surplus into heating.
- TFT display with new highly intuitive panel control and lock function.
- Built-in daily and weekly programming.
- Integrated G Control System, remote configuration and control via Internet with WIFI connection.
- Open window detection function for reduced energy waste.
- Adaptive start control.
- Built-in high-sensitivity digital thermostat 0.1°C with calibration option.
- Silent operation based on TRIAC technology
- Overheating protection on storage heating function.
- Automatic safety thermostat with manual reset.
- Built-in balancing heating element to supplement the stored heat as and when required.
- Stainless steel core heating elements.
- Side, front and rear air isolating chambers.
- Total appliance lock system through the G Control System.
- Solar box accessory required for surplus control and management using the G Control System. Only one solar box needed per installation. It is offered as accessory.
- G Control System is compatible with Amazon Alexa and Google Assistant.



Model	ECOHR20 SOLAR	ECOHR30 SOLAR	ECOHR40 SOLAR
Balancing element output** (W)	550	820	1120
Storage heater input** (W)	1742	2613	3484
Charge period	7h	7h	7h
Charging (7h) (kWh)	12.2	18.3	24.4
Connection	240 V	240 V-	240 V-
Frequency (Hz)	50	50	50
Length (cm)	72	95	117
Height (cm)	76	76	76
Depth (cm)	19.5	19.5	19.5
Weight (kg)	97	140	183
No. of blocks 6kg	12	18	24

*Full warranty terms and conditions available at www.elnur.co.uk

**Solar box with G-control required for surplus control, management and integral WIFI management. One solar box per installation

***Single Supply only, cannot be installed with separate 2 electrical supplies. Constant power required at all times.

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Register warranties for new Elnur appliances.

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