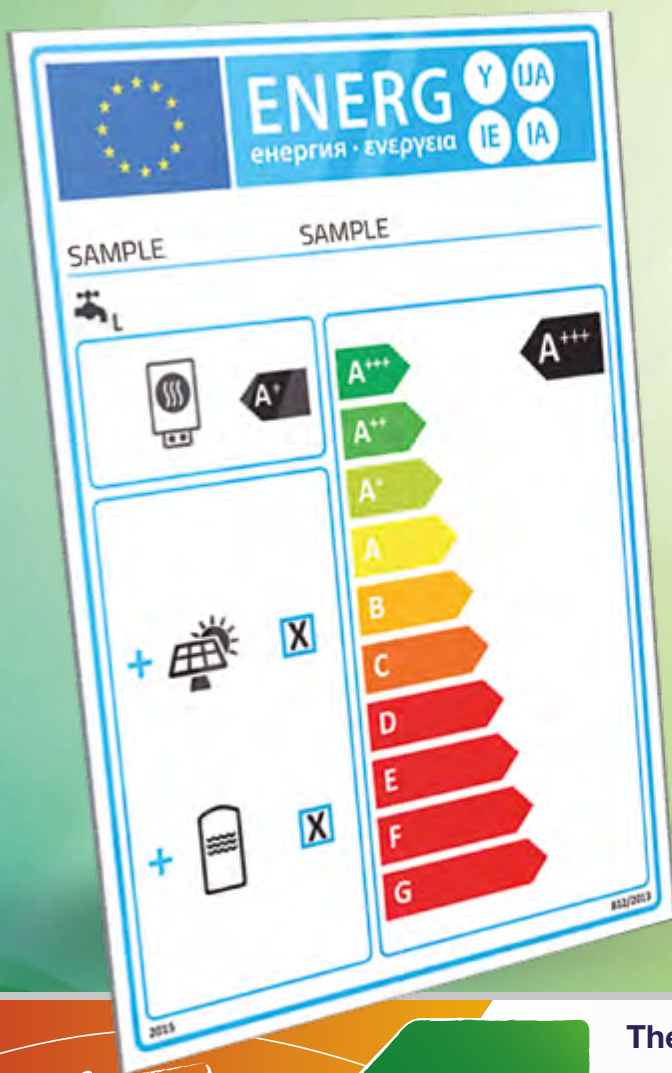




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The new energy label for space and water heaters



➔ An opportunity for consumers to choose more efficient products and save money!

➔ A chance for the heating industry to sell better systems!

➔ The option to contribute to a better environment!

The EU Project LabelPackA+

- ➔ Informs consumers!
- ➔ Improves and facilitates the energy labelling!
- ➔ Supports and trains manufacturers, dealers and installers!



The energy label for space and water heaters

Since the 26 September 2015, nearly all newly installed space and water heating systems have to be sold with energy labels in all European Union countries. The energy labels aim to provide additional information that help consumers choose more energy efficient products.

Based on the **European Energy Labelling Directive, 2010/30/EU**, and the **Commission's Delegated Regulations 811/2013** and **812/2013**, most space

heaters, placed on the market after the 26 of September 2015, have to display an energy efficiency label ranging from A++ to G (from highly to least efficient solutions). The same applies to water heaters and hot water storage tanks, labelled from A to G. **Packages of different heating components including renewable energy equipment** are also labelled and **can achieve higher energy efficiency classes, up to A+++.**

What does the heating label mean to:



Source: Z22/ wikimedia.org

The heating industry?

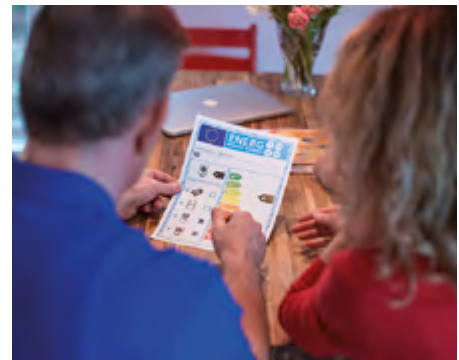
- It has to label heating products or components, as well as standard packages of heating solutions!
- Receives a market-based incentive to design more efficient products!
- It faces more competition as products and packages can be better compared!
- It can combine conventional and renewable energy products to yield higher energy efficient classes!
- It can offer more environmentally friendly products and heating solutions to their customer!



Source: Intelligent heizen VdZ

The dealer or installer?

- Can easily explain the differences of energy efficiency of the space or water heating solution and provide better advice to the customer!
- Is capable of combining different products into packages to find the most efficient solution!
- May have to calculate and issue the package label when defining and selling a customized package to the customer.



Source: Intelligent heizen VdZ

The consumer?

- Can better compare heating products and packages!
- Can make better decisions according to heating needs, budget and energy efficiency considerations!
- Can save money when selecting more energy efficient heating solutions!

Which heating products have to be labelled?

PRODUCTS	LABELLING FOR DEVICES WITH OUTPUT
Space heaters / combination heaters for space heating and hot water (Lot 1)	
Boiler space heaters based on gas, oil, electricity	0 – 70 kW
with cogeneration	0 – 70 kW (< 50 kW _{el})
with heat pumps, incl. low temperature heat pumps	0 – 70 kW
Including components with packages	Temperature controllers, solar system, hot water storage tanks, other devices
Hot water heaters (Lot 2)	
based on gas, electricity	0 – 70 kW
solar driven	0 – 70 kW
heat pump driven	0 – 70 kW
Including components with packages	Temperature controllers, solar systems, hot water storage tanks, other devices
Hot water storage tanks	≤ 500 l

Who has to implement the regulation?

Manufacturers, dealers and installers have different responsibilities in issuing the labels. They are obliged to inform the consumers on the energy efficiency class **prior to the purchase** of a new heating system and provide the relevant information. For single products or for

standard heating packages, combining products from one company, the manufacturer is responsible for providing the label, and all the relevant documentation, together with the equipment at the point of sale.

Is the Package Label a challenge for dealers and installers?

For **packages of products from different manufacturers**, the **dealer or installer has to calculate the energy efficiency class** of the label according to the methodology defined by the European Commission. The **manufacturers** have to provide the **correct data** and the **dealer or installer**

has to make the correct calculations. The package label therefore poses a challenge to dealers and installers, who need information and will have to be trained according to their needs.

The energy label underlines the importance of renewable energies for heating

The new energy label for heating packages acknowledges the added value for the final consumer of renewable energy integration with conventional heating systems. **Only packages including renewable energy**, especially solar thermal systems, **can reach the highest efficiency**

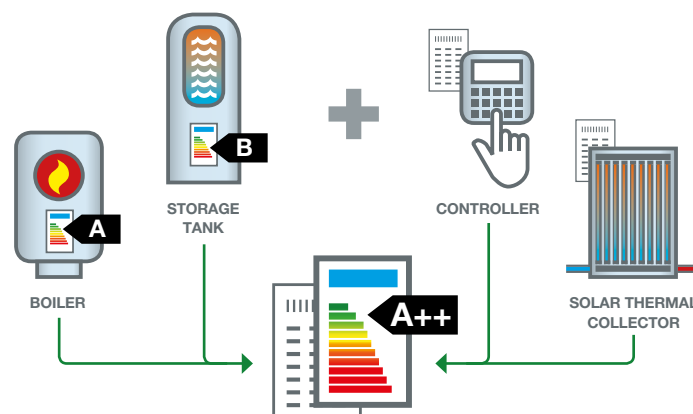
ratings A+ or better! Consumers should be aware of this and whenever possible request a quotation for a heating package system with solar thermal system. This guarantees a lower energy bill and a higher energy performance.

The calculation of the label is not a simple task, but there is support for dealers and installers

An example: For the combination of a boiler and a storage tank (each with a label) and a solar hot water system and a controller (each with a data sheet), a new label has to be calculated for the entire package!

A calculation tool can be found at

www.label-pack-a-plus.eu/home/calculate-the-label



What is the EU-Project LabelPackA+?

LabelPackA+ facilitates the introduction of the **package label** for highly efficient space and water heaters and combinations including renewable energies. The project has developed several tools for the market and for consumers, freely usable, to support the successful

implementation of the energy labelling requirements. The most relevant tool is the online energy labelling calculation, free of use that allows professionals to calculate and print the energy label for customized heating packages.

To facilitate that goal, the project provides a series of support measures for **manufacturers, dealers, installers** as well as the **end consumer**.

In detail the project provides:

- **Information material** on energy labelling with focus on the package label
- An **online calculation tool** to facilitate the calculation of the customized package label for the **installer / dealer**
- **Training material** and **trainings** for trainers and multipliers (on-site and on-line)
- **A help desk** for every pilot country as well as **FAQs** and other support material for relevant actors
- **Communication activities** to inform about energy labelling
- **Coordination for different national stakeholders** involved in the different project countries to include a large number of actors

Who funds it?

The **European Commission** supports the project LabelPackA+ within its **Horizon2020** research and innovation programme. LabelPackA+ involves a consortium of 11 partnering organizations from Austria, France, Germany, Italy, Portugal and the United Kingdom and provides information and services at the national and European level. It is led by the European Solar Thermal Industry Federation (ESTIF).



For further information on the project, events and materials provided, please visit www.label-pack-a-plus.eu

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