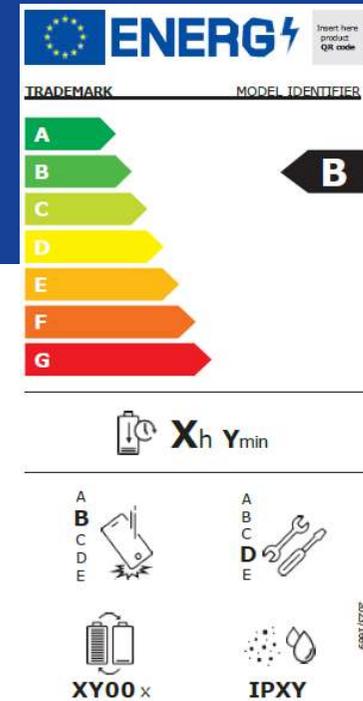


Energy labelling requirements smartphones and slate tablets



Webinar for dealers

June 11, 2025



in special partnership with



COMPLIANCE SERVICES





Agenda

- Opening remarks and introduction
- New energy label for smartphones and slate tablets
- Key requirements for dealers
- EPREL database
- Market surveillance
- Questions and Answers (interactive)





SPEAKERS

Moderator

Ms. Cátia Carvalho, ADENE, Portugal

Guest speakers

Mr. Nick Dornheim, Euro Commerce

Mr. Davide Polverini, European Commission

Speakers

Mr. Juraj Krivosik, SEVEn, Czechia

Ms. Elisabeth Dreier, vores bureau, Denmark



Opening remarks

Mr. Nick Dornheim, Euro Commerce





New regulation Smartphones and slate tablets

Mr. Davide Polverini, European Commission



About the project

Compliance Services

At your disposal to help you properly implement the energy labelling legislation

Services for dealers

If you sell (or install) products in the EU market, which are covered by the energy labelling regulation, you have to fulfil the requirements for “dealers” (which is the term in the legislation, such as retailers, e-hops, etc.) including, e.g., product information at the point of sale and for online shops.

coordinated by

European organisations



AUSTRIAN ENERGY AGENCY



ASSOCIATION OF THE EUROPEAN HEATING INDUSTRY



EUROPEAN HEAT PUMP ASSOCIATION



SOLAR HEAT EUROPE/ EUROPEAN SOLAR THERMAL INDUSTRY



EPIA SOLARPOWER EUROPE



ENVIRONMENTAL COALITION ON STAND.

National organisations



ADEME Agence de l'environnement et de la maîtrise de l'énergie France



ADENE Agência para a energia Portugal



ALTROCONSUMO EDIZIONI srl Italy



APED Associação Portuguesa de Empresas de Distribuição Portugal



ENERGISTYRELSEN Danish Energy Agency Denmark



SEVEN The Energy Efficiency Center z. u. Czechia



VORES BUREAU Denmark

COMPLIANCE SERVICES project

Product categories covered so far:

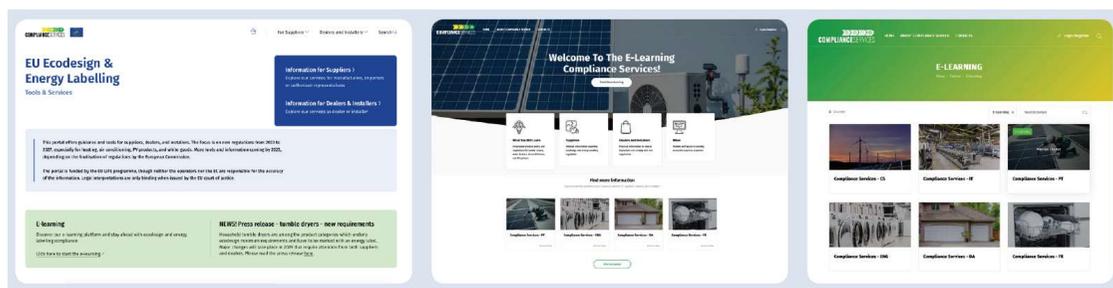
- Smartphones, slate tablets, other mobile phones and cordless phones
- Tumble dryers

Coming soon:

- Local space heaters (only ecodesign)

In the pipeline (once the new regulations are published):

- Heating products
- Water heating products
- Air-conditioning products
- PV and solar panels





Energy labelling requirements for smartphones and slate tablets

Ms. Elisabeth Dreier, vores bureau, Denmark



The regulations and the timing

Ecodesign [\(EU\) 2023/1670](#)

- Sets minimum requirements, such as battery life, resistance to accidental drops, scratch resistance, repairability, etc.

Energy labelling [\(EU\) 2023/1669](#)

- Guides consumers to choose more energy-efficient and durable products
- Encourages manufacturers to develop new, more energy-efficient and durable products

Legislation	Smartphones	Slate tablets	Cordless phones	Mobile phones
Ecodesign	X	X	X	X
Energy labelling	X	X		

➤ The requirements in both regulations will apply from the 20th of June 2025



Which products are in scope?

▶ Smartphone

- a) Wireless network connection, mobile use of internet services, an operating system optimised for handheld use and the ability to accept original and third-party software applications
- b) Integrated touch screen display with a viewable diagonal size of 10,16 centimeters (or 4,0 inches) or more, but less than 17,78 centimeters (or 7,0 inches)
- c) The device has a foldable display or has more than one display, at least one of the displays falls into the size range in either opened or closed mode

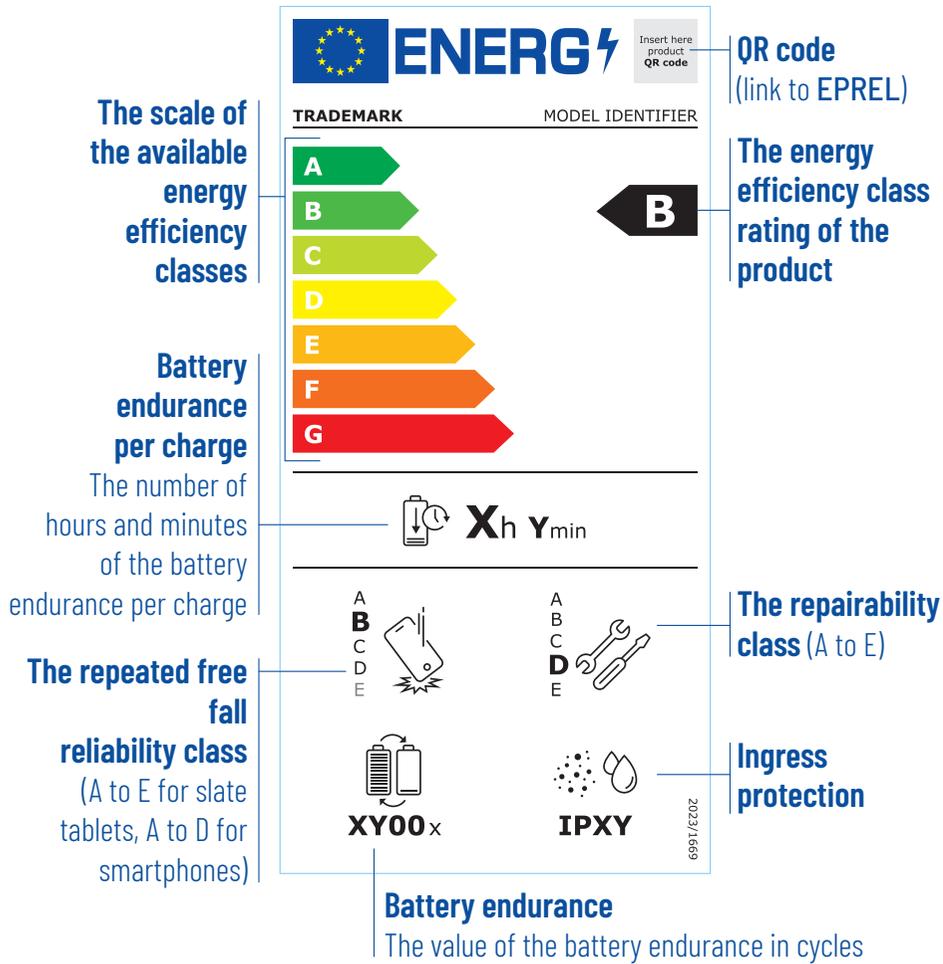
▶ Slate tablet (designed for portability)

- a) An integrated touch-sensitive display with a viewable diagonal size greater than or equal to 17,78 centimeters (or 7,0 inches) and less than 44,20 centimeters (or 17,4 inches);
- b) Does not have an integrated, physically attached keyboard in its designed configuration;
- c) Primarily relies on a wireless network connection;
- d) Powered by an internal battery and is not intended to work without battery and
- e) Placed on the market with an operating system designed for mobile platforms, identical or analogous to smartphones

Please note: Second-hand and used products are not in the scope of the regulation

Please find the definition in [\(EU\) 2023/1669 art. 1](#)

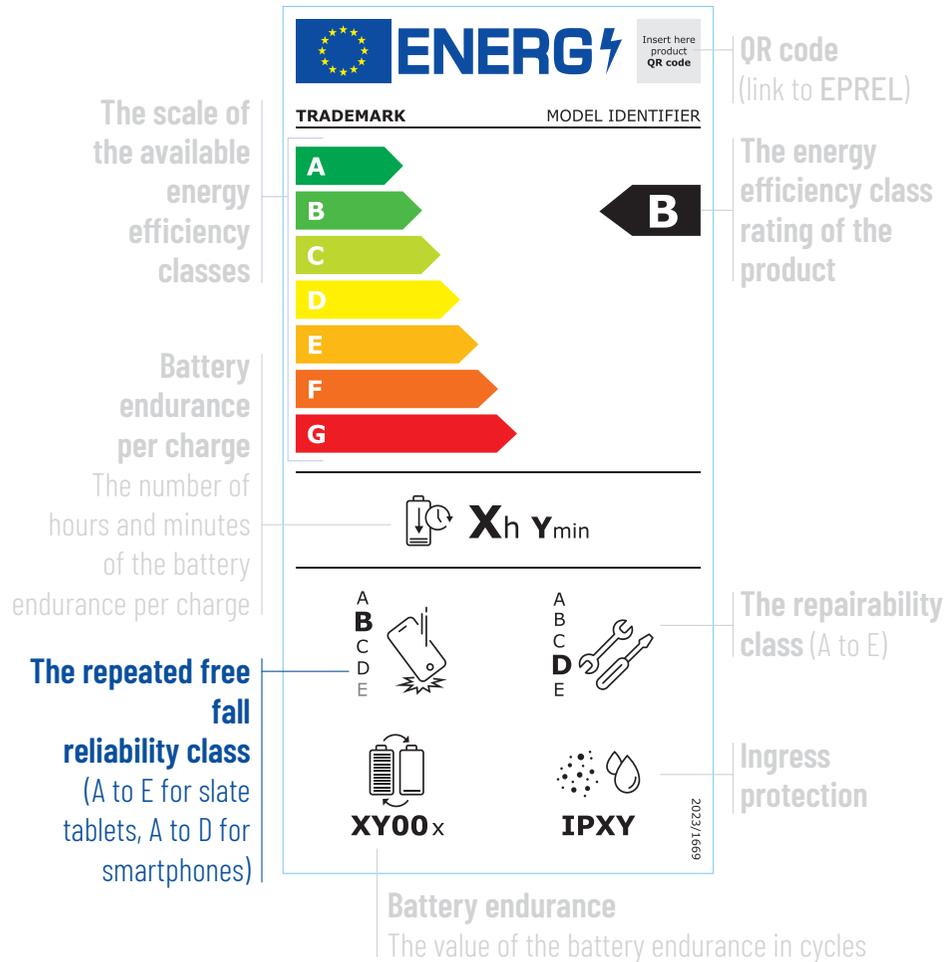
The energy label



Please find more information in [\(EU\) 2023/1669 Annex III](#)



The energy label

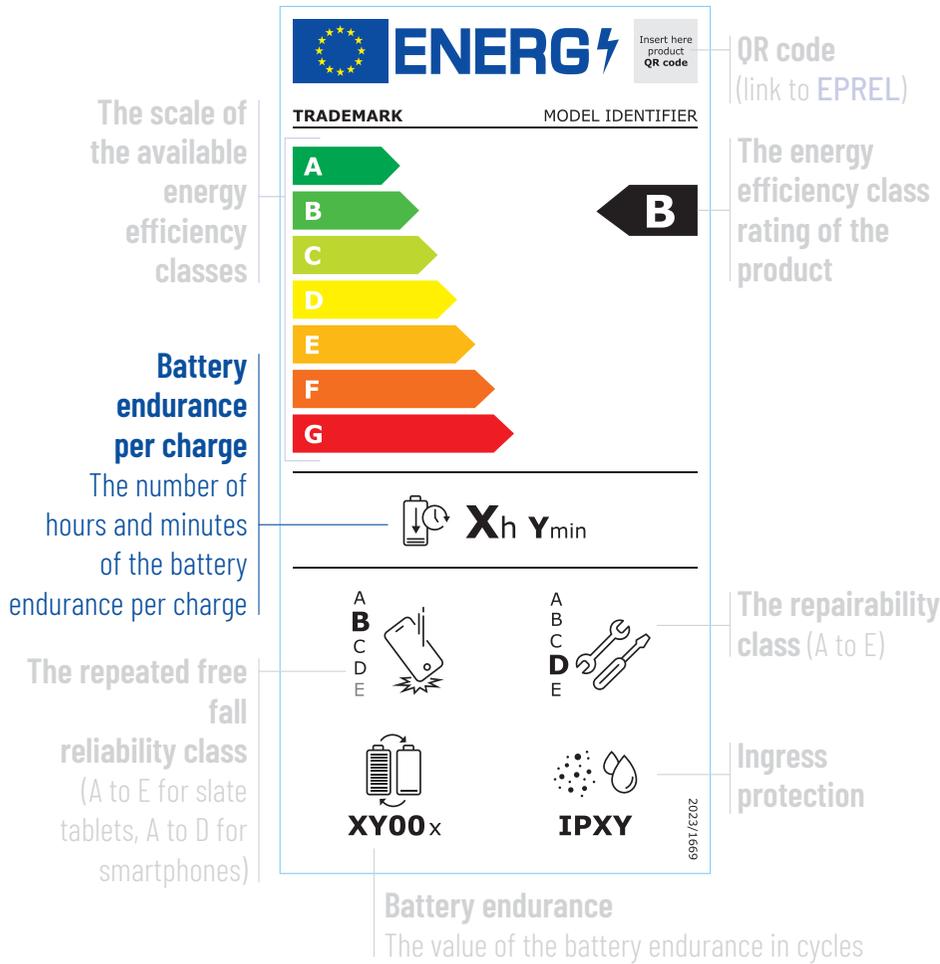


The repeated free-fall reliability class
Is determined on the basis of the number of falls from 1 meter (based on a standardised test) that the device can withstand without functionality problems.

A is the most robust, and (D) E is the least robust

Please find more information in [\(EU\) 2023/1669 Annex III](#)

The energy label



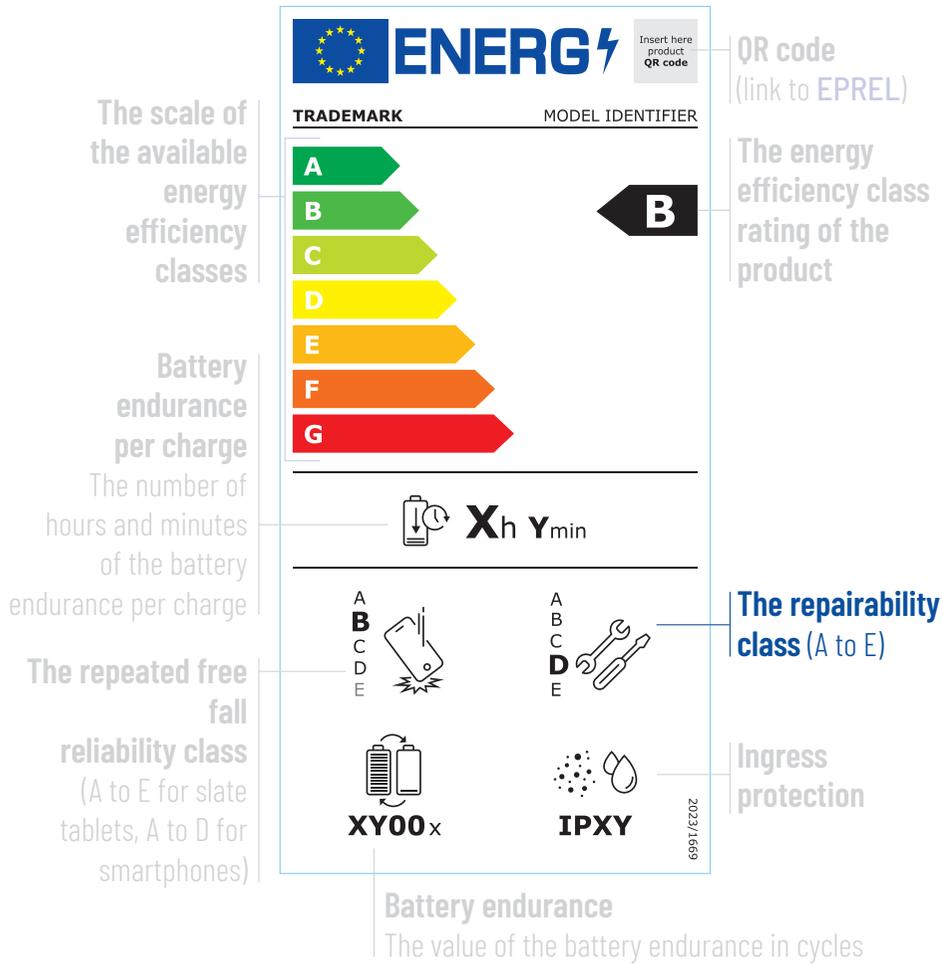
Battery endurance per cycle

The number of hours a smartphone or tablet can operate with a fully charged battery until the device automatically shuts down due to an empty battery.

For example, if a smartphone has a battery endurance of 10 hours per cycle, it means you can expect to be able to use it for around 10 hours before needing to recharge it (to note that the 10 hours of this example have been determined on the basis of a standardised test of usage).

Please find more information in [\(EU\) 2023/1669 Annex III](#)

The energy label

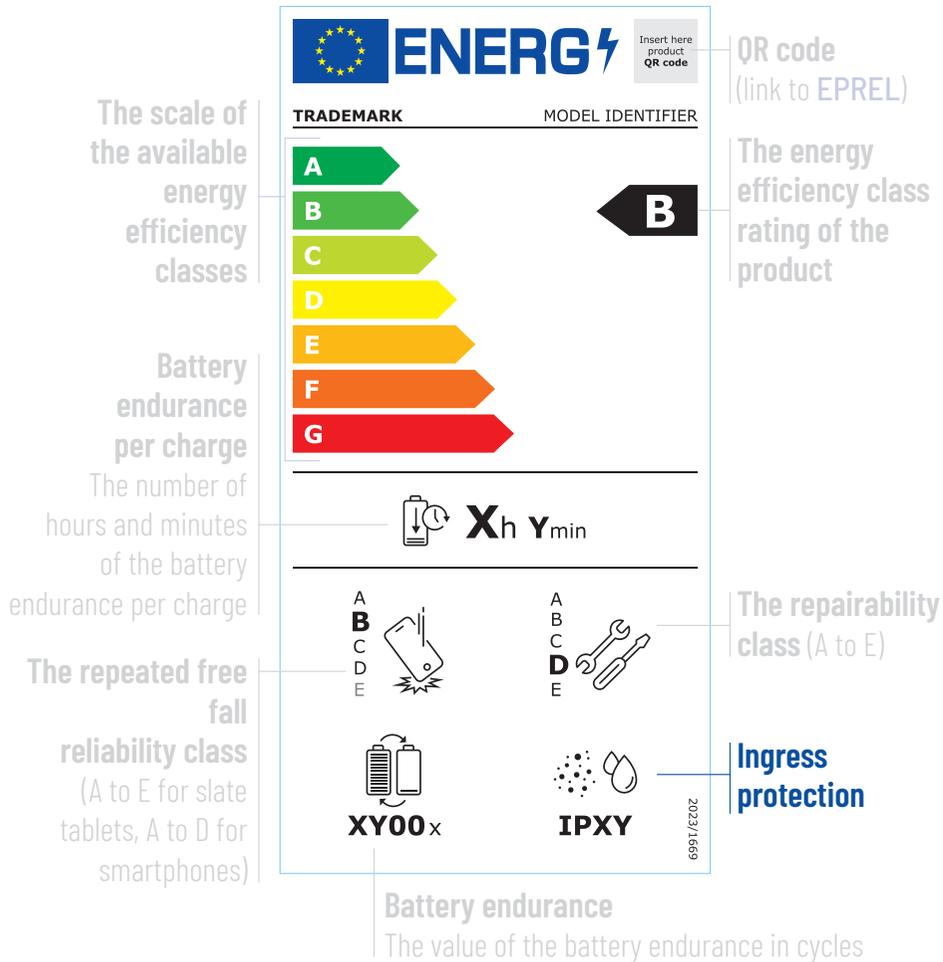


Repairability class

A is the most repairable, and E is the least repairable

Please find more information in [\(EU\) 2023/1669 Annex III](#)

The energy label



Ingress protection rating

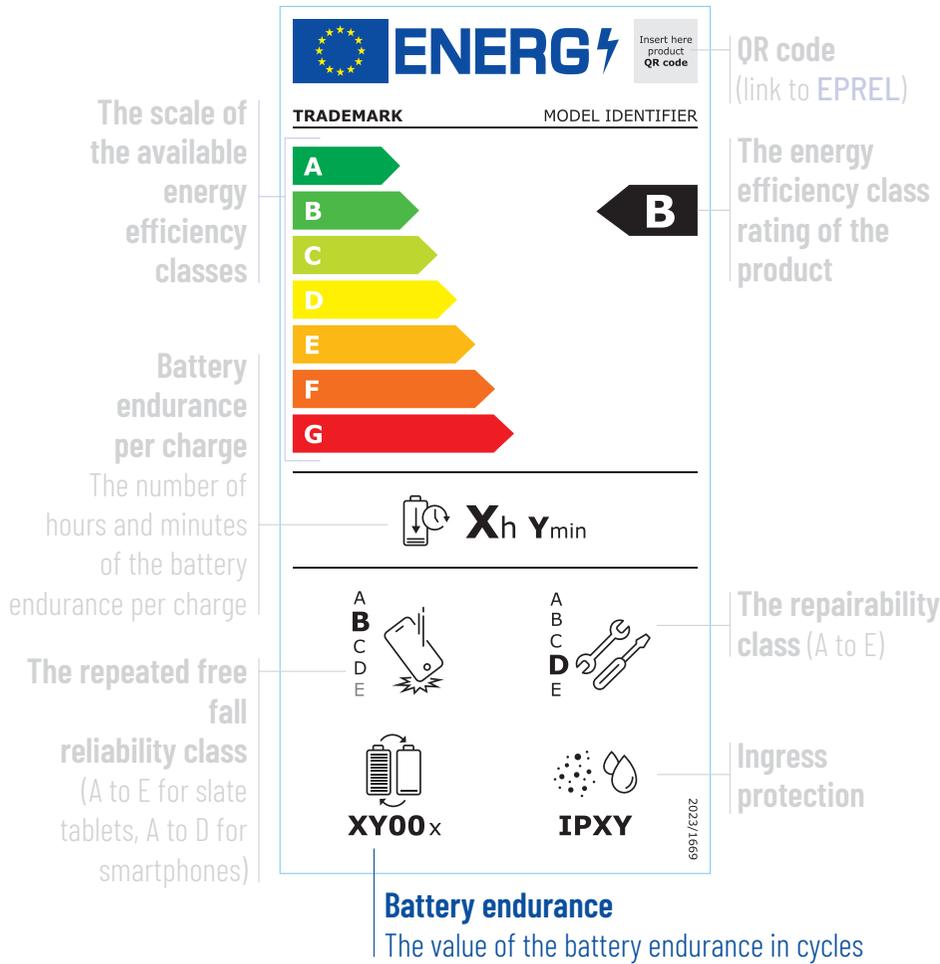
Indication of the products resistance to water and dust.

Indicated by an IP code from 1 to 8

(1 = very little and 8 = very well protected)

Please find more information in [\(EU\) 2023/1669 Annex III](#)

The energy label



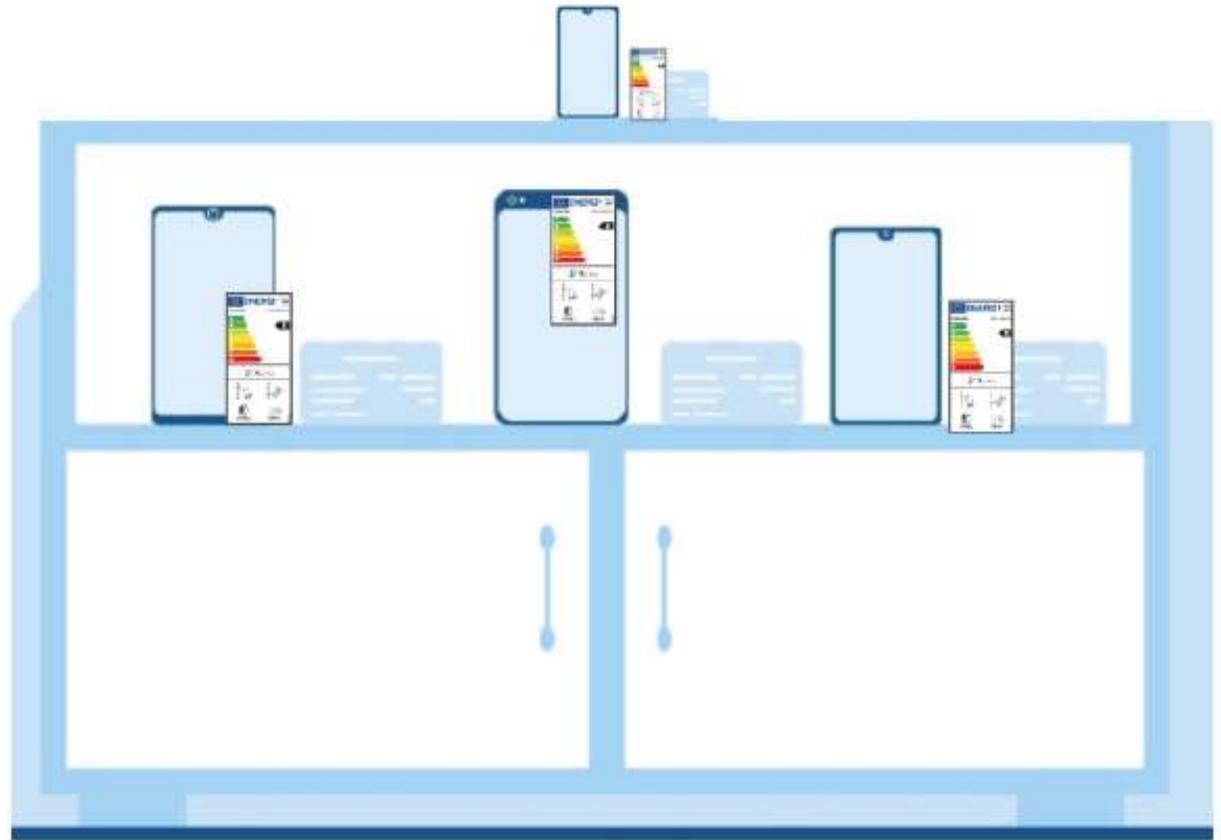
Battery endurance

The number of charging cycles a battery can withstand until its capacity has reached 80% of its nominal capacity

Please find more information in [\(EU\) 2023/1669 Annex III](#)

Requirements – physical shops/trade fairs

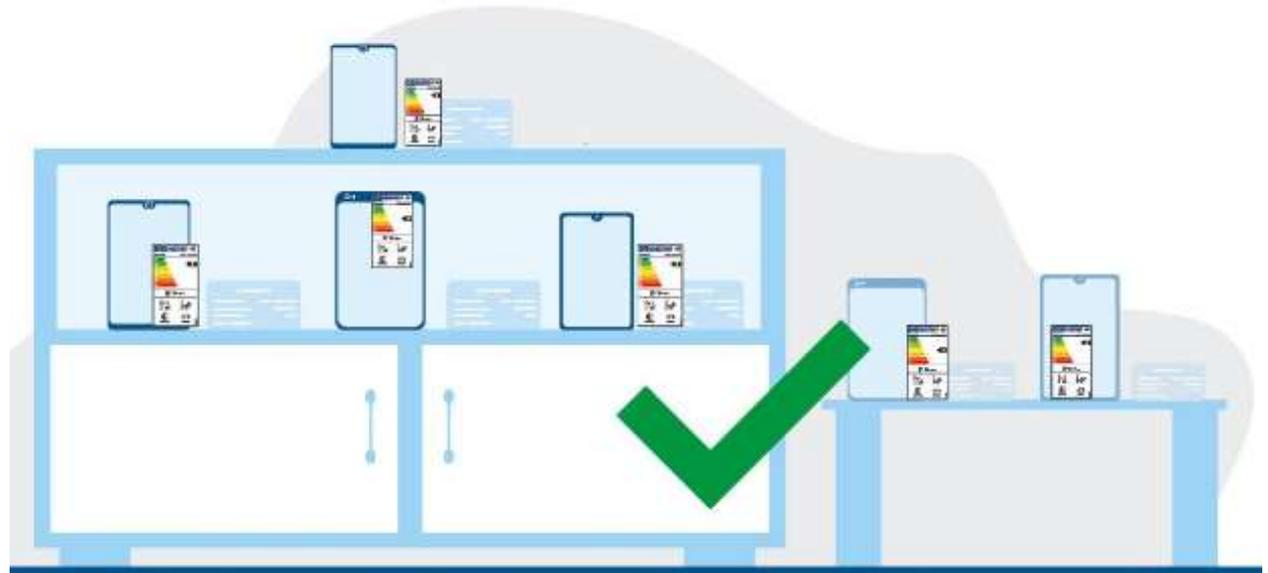
- Ensure that all products displayed in your shop – whether unpackaged or not – bear an energy label - in proximity to the product or hung on it or placed in such a way as to be clearly visible and unequivocally associated with the specific model
- Provide the product information sheet (PIS) if the customer requests it.
- Display energy labels on products also in the shop's display windows.
- *Request an energy label or PIS from the supplier if you do not have one. Or download it from EPREL. The supplier must provide a new printed label to you within five working days.*



[\(EU\) 2023/1669](#) art. 4

Requirements – Physical shops/trade fairs

- Ensure that the model identifier on the energy label matches the product
- The energy label must be in the correct colours (never black and white).
- The energy label must be at least 68 mm wide and 136 mm high, unless the packaging is smaller. In that case, it is permitted to display a proportionally smaller energy label – but not smaller than 47.6 mm wide and 95.2 mm high.



[\(EU\) 2023/1669](#) Annex VIII

Requirements – Online sales

- The energy label and the PIS must be shown in proximity to the price of the product.
- It is permitted to show an energy arrow instead of the full energy label, and a link instead of the full product information sheet, provided that the full energy label or PIS appears when the arrow or link is clicked on or hovered over.
- The energy arrow and PIS must open with only one click. For the PIS, you can also set a link directly to EPREL.
- The link to the PIS must be named “Product Information Sheet” (in the local language - as in legislation)



PRODUCT INFORMATION SHEET

[\(EU\) 2023/1669 Annex VIII](#)

Requirements – Online sales

- The energy arrow must follow a specific layout and point to the left and be of a size that ensures it is clearly visible and legible.
- The letter inside the arrow must be the same size as the price.
- What if it is not possible to “add the product to the basket”? For example list views?
Answer: The energy label or the nested display (energy arrow) must be present.



PRODUCT INFORMATION SHEET

[\(EU\) 2023/1669 Annex VIII](#)



Requirements – Visual advertisements, technical promotional material and in distance selling, except for online sales

- The energy arrow must be displayed.
- The energy arrow must point to the left and be of a size that ensures it is clearly visible and legible.
- If the price is shown, the size of the letter inside the energy arrow must be at least as large as the price.
- Upon request, the customer must be able to receive a printed copy of the energy label and the PIS.
- Only materials in black and white may use a black and white version of the energy arrow.
- Telemarketing: Inform the customer about the product's energy efficiency class and range (energy arrow), and provide access to the full energy label and the PIS either via a free-access website or, upon request, as a printed copy



[\(EU\) 2023/1669](#) Annex VIII

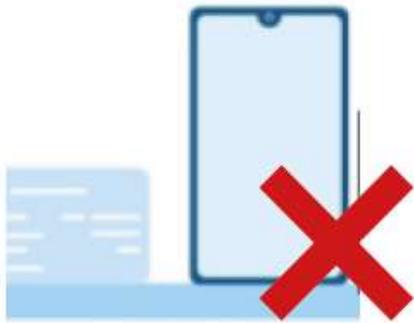


Important

- The new energy labelling rules take effect from the 20th of June 2025.
- This means that the energy labelling requirements apply only to product units placed on the market on or after the 20th of June 2025.
- For example:
 - Before the 20th of June 2025: You have ownership of 1,000 smartphone units
 - 21st of June 2025: You did not sell all units, so you still have 200 units left
 - These 200 units are not subject to the energy labelling requirements.
 - You can sell these products without the energy label with no time limit
- If you have a mix of, for example, 200 units left and 200 new units of the same model, we recommend that you display the energy label.



Avoid the most common mistakes



In the shop/at trade fairs

Missing energy label or a black and white energy label next to the product

All products must have an energy label. The energy label must be in the correct colors.

Be aware that if you print the energy label yourself, your printer must be of sufficient quality to reproduce the colors accurately.



SPECIFICATIONER

Online sales

The product information sheet is incorrectly named

It is not permitted to use a different name.

The link or button must be labelled "Product information sheet" (*in the local language – as in legislation*)

4.299



Advertisements, promotional materials

The energy arrow must point to the left
The letter in the energy arrow must be at least as large as the product price.



EPREL

Mr. Juraj Krivosik, SEVEn, Czechia

What is the EPREL database

EPREL = European Product Registry for Energy Labelling

➤ Database for all energy-labelled products

➤ Mandatory

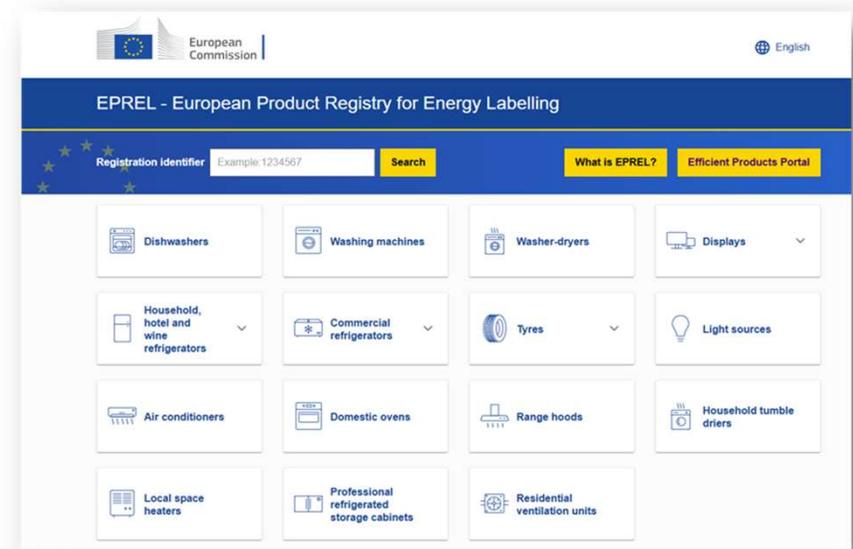
➤ **Suppliers** must verify their organisation, register their products and upload data before placing products on the market

➤ Public part (accessible for **everybody**)

➤ Designed to provide consumers, retailers etc. with detailed information and supplier contacts

➤ Compliance part (only accessible to **Authorities**)

➤ Provides Market Surveillance Authorities an access to non-public product documentation



How to use EPREL

1. **The easiest way. Scan the QR code on the product energy label**
2. **Go to the website: <https://eprel.ec.europa.eu/screen/home>:**
 - Search for a specific model
(by brand and model name or by registration number)
 - Choose a product group

Smartphones and slate tablets can be searched from the 20th of June 2025





Advantages of using EPREL

A specific product

➤ You can download or print the energy label and the Product Information Sheet (PIS)

▸ This is important because your customers have the right to request the PIS .

➤ **Please note!**

If you print an energy label from EPREL to place it on the product in the store, please ensure that the colours and the size match the original energy label, as any deviation may result in a fine issued by your national authority.

➤ When you examine a specific model (via the details button) you get additional information to what you see on the energy label.

Verification

Important!

- When scanning the QR code on a printed energy label or entering the EPREL registration number in EPREL, you might find models with an indication that the model was registered by an “unverified supplier”.
- This tells you that the supplier has not passed a verification process – it is not sure that the information has been provided by the legitimate entity.
- In this case, contact the supplier directly.

Suppliers need to pass a verification process to ensure:

- The information in EPREL comes from reliable sources.
- Only suppliers established in the EU/EEA can register products in EPREL.
- The supplier’s name and trademark are not misused.

Verification in EPREL

This is a step-by-step guideline for the verification process in EPREL.

Verification of supplier

The EU Commission requires energy labelled products to be registered in the European product database (EPREL) and suppliers to be verified.

Before being placed on the European market an energy labelled product must be searchable in the public section of EPREL and when consumers scan the product's QR code on the energy label.

For unverified companies the following applies:

- You cannot register new products or make changes in EPREL for already registered products.
- If you registered products in EPREL before the verification requirement came into effect, these products will:
 - Be displayed with a warning stating that you are not verified.
 - Not appear in searches in the public section of EPREL.

The verification process is intended to ensure that:

- The information in EPREL is correct and comes from reliable sources.
- Only companies established in the EU/EEA and Northern Ireland can register products in EPREL.
- Your company's name and trademark are not misused.

Companies and individual persons

To be verified as a company, an electronic seal must be purchased. If you are an individual person placing products on the EU market (i.e., not affiliated to a company), a digital signature must be purchased.

If you are an employee of a company and need to verify the company in EPREL, you cannot use your digital signature. Instead, you must use the company's electronic seal.

In most cases, a digital signature alone is not sufficient.

Digital signature/electronic seal

A digital signature/electronic seal is the same as an electronic signature. It indicates that you are the person or company you claim to be. The digital signature/electronic seal is just as legally binding as a handwritten signature on paper.

How do you obtain an electronic seal or a digital signature?

You can find a provider on the list of approved providers on the EU Commission's website [here](#). There might not be a provider from your country. In this case you can contact the other providers on the list, as an electronic seal from an approved provider is recognised by all member states.

The market price for a seal is approximately EUR 300, including a cloud solution, personal online guidance (in English), a webinar, three months' validity, and more.

Electronic seal

To be able to purchase an electronic seal¹ on behalf of a company, one must meet one of these criteria:

- Delegated employee from the organisation
- Delegated legal representative from the organisation
- Legal representative of the organisation

The electronic seal can be used by all individuals in the organisation. However, the person to whom the electronic seal is issued is responsible for ensuring its proper use.

The electronic seal should only be used once for the verification itself and not for the registration of each individual product.

1. An electronic seal must comply with the requirements of the (EU) 911/2014 standard. Visit the seal provider for more information, as this may vary from provider to provider.

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COMPLIANCE SERVICES Co-funded by the European Union



Market surveillance

Mr. Juraj Krivosik, SEVEn, Czechia



How to prepare for market surveillance

Your national market surveillance authority (MSA) verifies:

- whether products, suppliers and retailers on the EU market comply (among others) with the energy labelling and ecodesign requirements.

MSAs have several methods for market surveillance activities:

- Online inspections: web-shops, etc.
- Physical inspections: shops, product testing, etc.
- Document inspections: advertisements, etc.
- Inspections at the borders, documents, package design, etc.



Enforcement



Retailers have the responsibility

- to show the energy labels in the prescribed format and location
- to make sure the product information sheet is available.

MSAs have several methods for enforcement (towards suppliers or dealers):

- Demand additional or missing information (energy label, arrow, product information sheet) or its correction
- Apply fines if information is not correct or missing
- Remove products from the EU market (E.g. in case of severely wrong declarations on the label with no supplier remedy action)



Questions and Answers

QUESTIONS

ANSWERS

Mark your calendars: Webinar for suppliers

Webinar for suppliers

30th of September 2025, 13:00

Energy labelling and ecodesign requirements for smartphones, slate tablets, cordless phones and mobile phones for the suppliers

Guidelines for suppliers are under preparation.

Webinar Invitation

New energy labelling regulation for smartphones and slate tablets: Become familiar with the new requirements
A webinar for smartphones and slate tablets suppliers

A new energy labelling regulation for smartphones and tablets is in place since 20th of June 2025, among others resulting in the need to place energy labels on new products. What exactly are the new requirements about? When will you have to take action?

We invite you to the upcoming webinar to learn more and to ask for more details!

Date 30 September 2025 at 13:00 pm CEST online (Duration: 2 hours, MS Teams) **More information** [HERE](#)

- Agenda:**
- New energy labelling regulation, brief introduction
 - Key requirements: Online sales / physical shops / promotion, technical sales material, etc.
 - Content of the energy label: What are the key points in the content of the energy label and the product information sheets that are relevant for you and your customers?
 - EPREL database: How to use the product database
 - Market surveillance – what does it mean and what is your role in it?
 - Compliance Services project: How we can help you
 - Your Questions: Use your opportunity to submit questions ahead of the webinar!

Organised by: Compliance Services project

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Ecodesign and energy label

Supplier guidelines for smartphones, slate tablets etc.

Smartphones, other mobile phones, cordless phones and slate tablets

Smartphones, other mobile phones, cordless phones and slate tablets are subject to ecodesign requirements, while (only) smartphones and slate tablets are subject to energy labelling requirements. The requirements apply to all products placed on the EU/EEA market.

Ecodesign and energy label

The EU sets ecodesign and energy labelling requirements for energy-related products to promote energy efficiency and reduce energy consumption. Over the past 25 years, an increasing number of products have become subject to such requirements, and from the 20th of June 2025, smartphones, other mobile phones, cordless phones and slate tablets (in this guideline named "tablets") will also be covered by some of these requirements.

This guidance will help you gain a quick overview of the new requirements. The complete set of requirements is described in the regulations:

- The Ecodesign regulation: (EU) 2023/1610
 - Sets minimum energy and resource efficiency requirements, such as battery endurance, scratch, water and drop resistance, reparability, recyclability, system updates, etc., and information requirements.
- The energy labelling regulation: (EU) 2023/1609
 - Specifies tools to guide consumers to more energy-efficient and durable products. This includes the energy label, the product information sheet, information on the EPREL database, etc.
 - Encourages manufacturers to develop new, more energy-efficient and durable products.

Which products are in scope?

Ecodesign requirements apply to smartphones, other mobile phones, cordless phones and tablets, whereas energy labelling requirements apply only to smartphones and tablets.

Products out of scope:

- Smartphones and tablets with a flexible maindisplay which the user can unroll and roll up partly or fully (so-called rollable smartphones).
- Smartphones for high security communication.
- Mobile phones designed to be worn on the wrist (so-called smart watches or wearable mobile phones).

EPREL

EPREL stands for European Product Registry for Energy Labelling and is a database for all products with an energy label.

All smartphones and tablets, for which units of these are placed on the market after the 20th of June 2025, must be registered in EPREL.

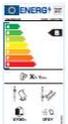
Ecodesign requirements in brief

The ecodesign regulation sets requirements for energy and resource efficiency, as well as for information. These include requirements related to:

- Availability of a defined range of spare parts and repair/maintenance instructions with specified content for both professional repairers and end-users.
- Maximum delivery time and indicative price of spare parts.
- Ease of disassembly into components and materials.
- Product durability in relation to drops, screen scratches, and exposure to dust and water.
- Operating system upgrades, data deletion, transfer of functionalities after use, and a provision ensuring that software updates must not degrade product performance to the point where the product no longer complies with applicable legislation.
- Provision of the technical documentation.
- Information for end users on a free-access website on e.g. content of critical raw materials, battery endurance, etc.

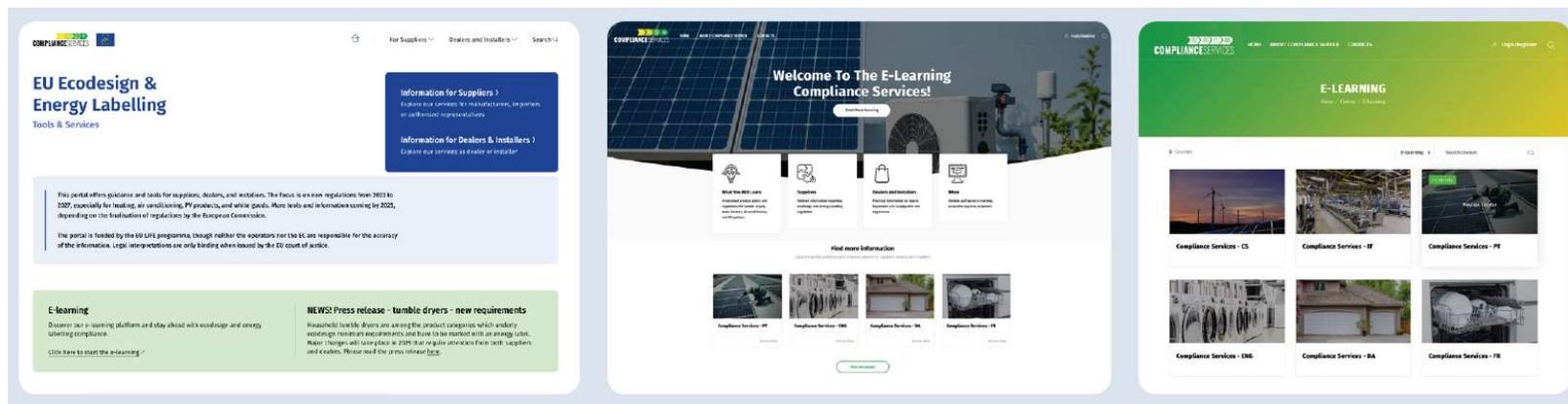
Energy labelling requirements in brief

The energy labelling regulation requires that smartphones and tablets are supplied with a printed energy label, and that specific information is provided in a product information sheet. In addition to energy efficiency requirements, the new regulation also sets requirements for the battery, spare parts, reparability, etc.



Visit our project webpage:

- Guidelines (horizontal/product-specific)
- FAQs
- Webinars
- Helpdesk service (ticket system under preparation)
- E-learning (smartphones and tablets, and more)





ComplianceServices newsletter

Please sign up to the project newsletter to obtain future project materials and guidelines, webinar invitations, updates on new energy labelling and ecodesign legislation:



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Submit >

Newsletter

<https://www.product-compliance-services.eu/sign-up-for-the-project-newsletter>



Links

Project website

www.product-compliance-services.eu (under development for new product categories)

Email

project@product-compliance-services.eu

LinkedIn

<https://www.linkedin.com/company/product-compliance-services>

Newsletter

<https://www.product-compliance-services.eu/sign-up-for-the-project-newsletter>

E-learning

<https://elearningcomplianceservices.adene.pt/>

EC portal:

https://energy-efficient-products.ec.europa.eu/product-list/smartphones-and-tablets_en



We will share with you per email:



- **Webinar presentation**
- **Guidelines to dealers on new energy labels for smartphones and slate tablets**
- **Answers to specific questions**



Upcoming activities:

- **Guidelines to suppliers on ecodesign and energy labelling requirements for smartphones, slate tablets, cordless phones and mobile phones**
- **Webinar for suppliers on ecodesign and energy labelling requirements for smartphones, slate tablets, cordless phones and mobile phones**
- **General webinar for dealers and retailers on how to place energy labels at the points of sale**

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