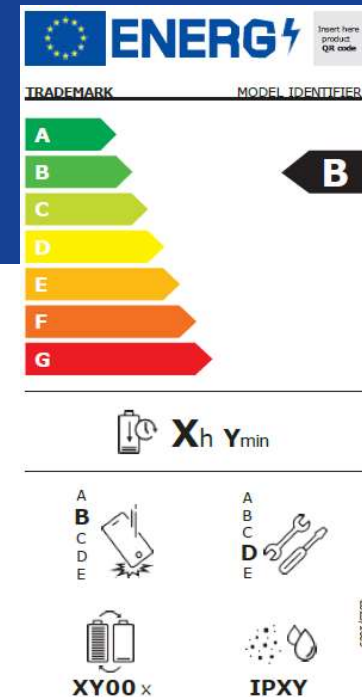


Energy labelling requirements smartphones and slate tablets

Webinar for dealers

June 11, 2025



in special partnership with





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

coordinated by



AUSTRIAN ENERGY AGENCY

European organisations



ASSOCIATION OF
THE EUROPEAN HEATING
INDUSTRY



EUROPEAN HEAT PUMP
ASSOCIATION



SOLAR HEAT EUROPE/
EUROPEAN SOLAR THERMAL
INDUSTRY



EPIA SOLARPOWER EUROPE



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Portugal



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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

National organisations

COMPLIANCE SERVICES project

► Product categories covered so far:

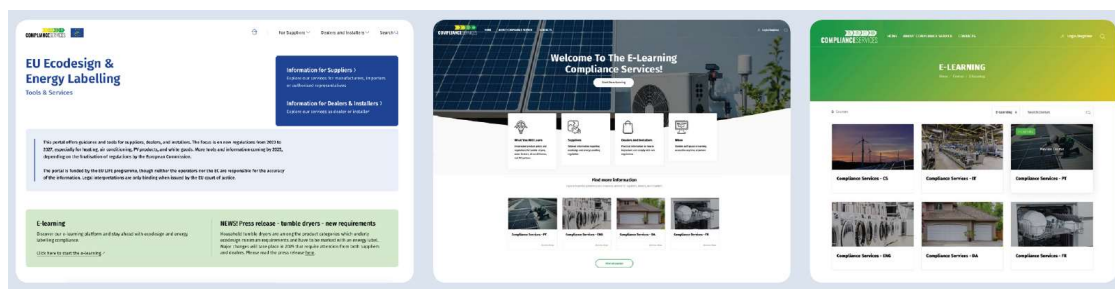
- Smartphones, slate tablets, other mobile phones and cordless phones
- Tumble dryers

► 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

Please note:

Second-hand and used products are generally outside the scope of the regulation, but there are exceptions. For example, used products imported from outside the EU are within the scope of the regulation. For a complete list of provisions, please refer to the [Blue Guide](#), page 16

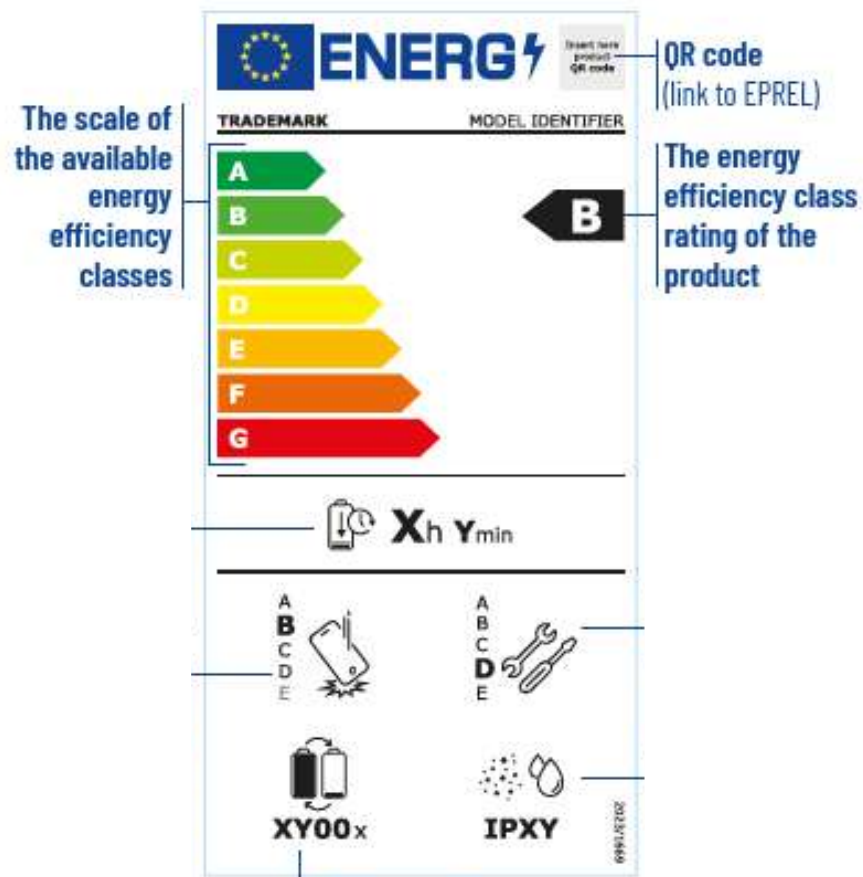
► Slate tablet (designed for portability)

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

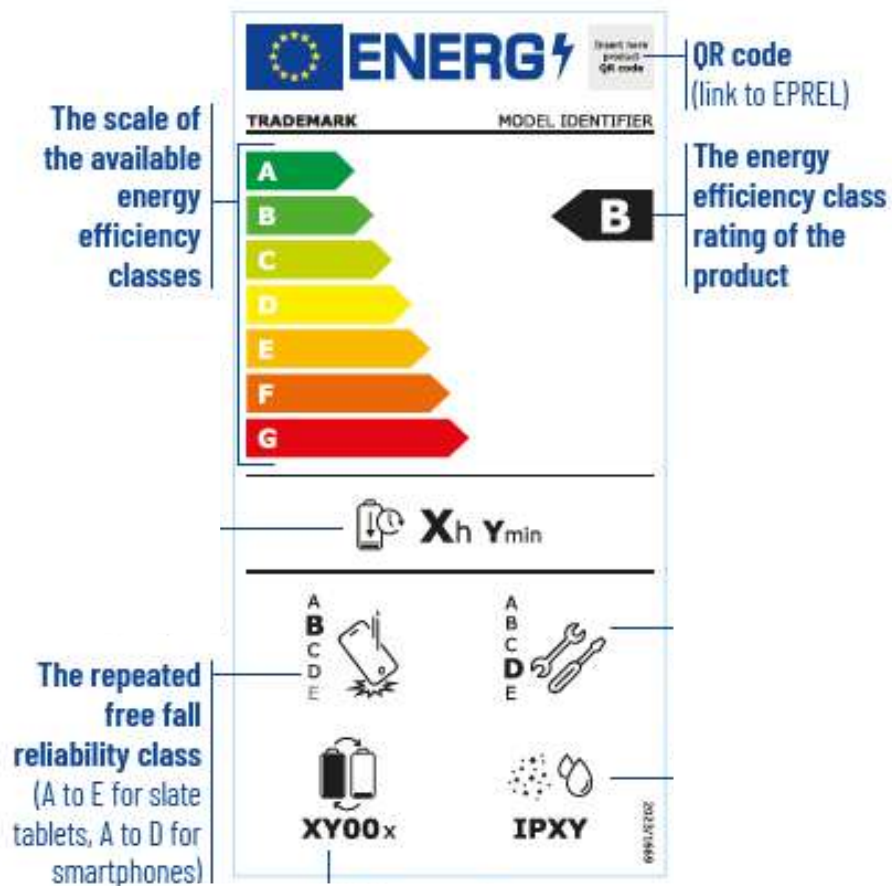


The energy label



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

The energy label



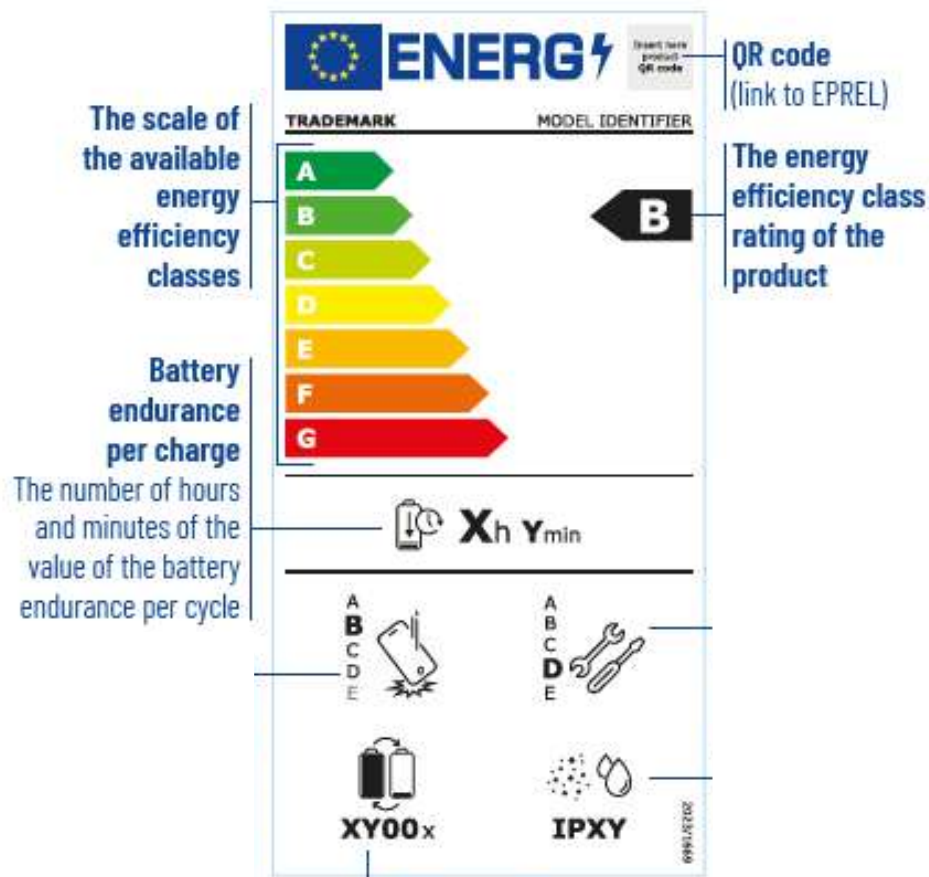
- **The repeated free-fall reliability class**
Is determined on the basis of the number of falls from 1 meter (based on a standardised test) that the device can withstand without functionality problems.

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**

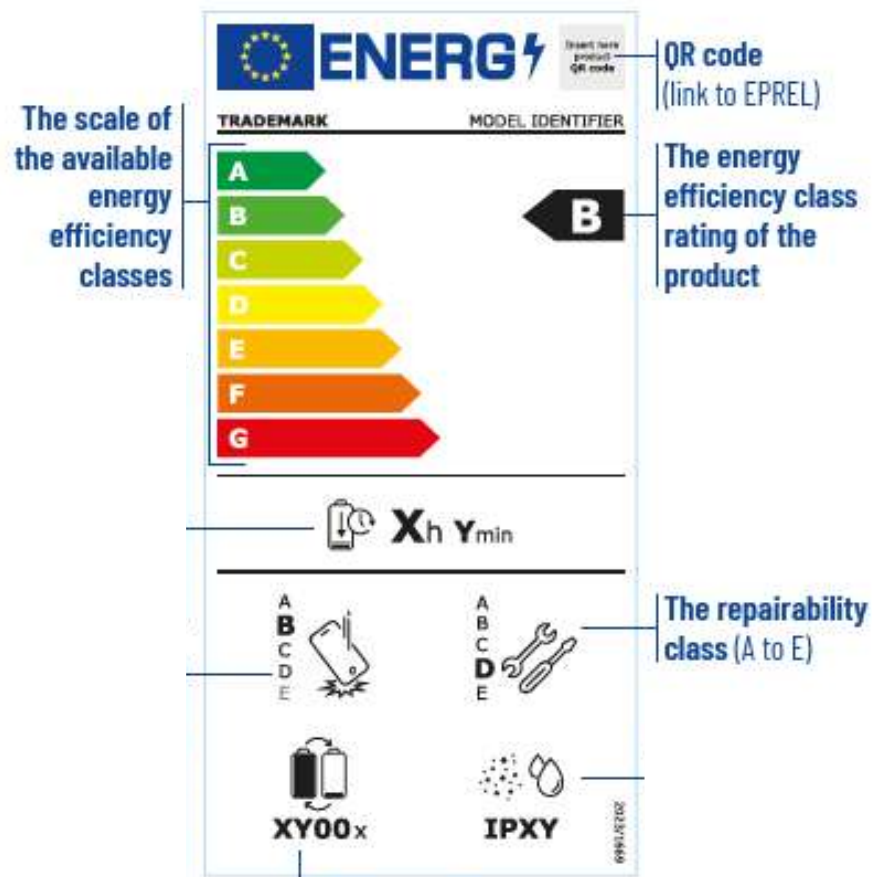
The number of hours a smartphone or tablet can operate with a fully charged battery until the device automatically shuts down due to an empty battery.

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



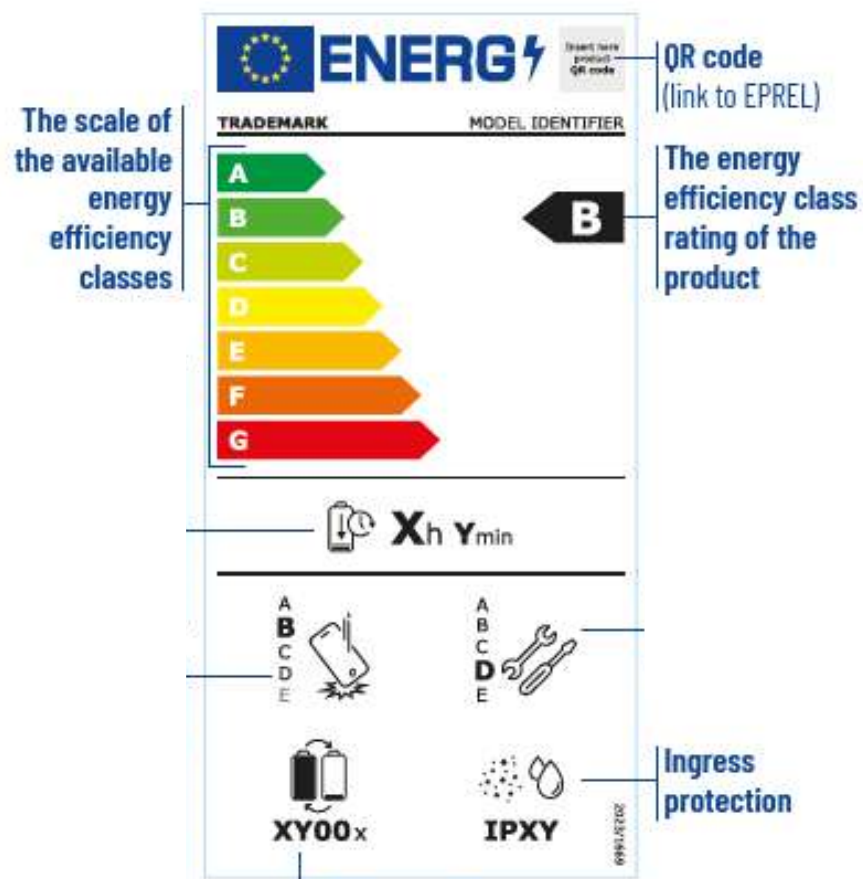
- **Repairability class**

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.

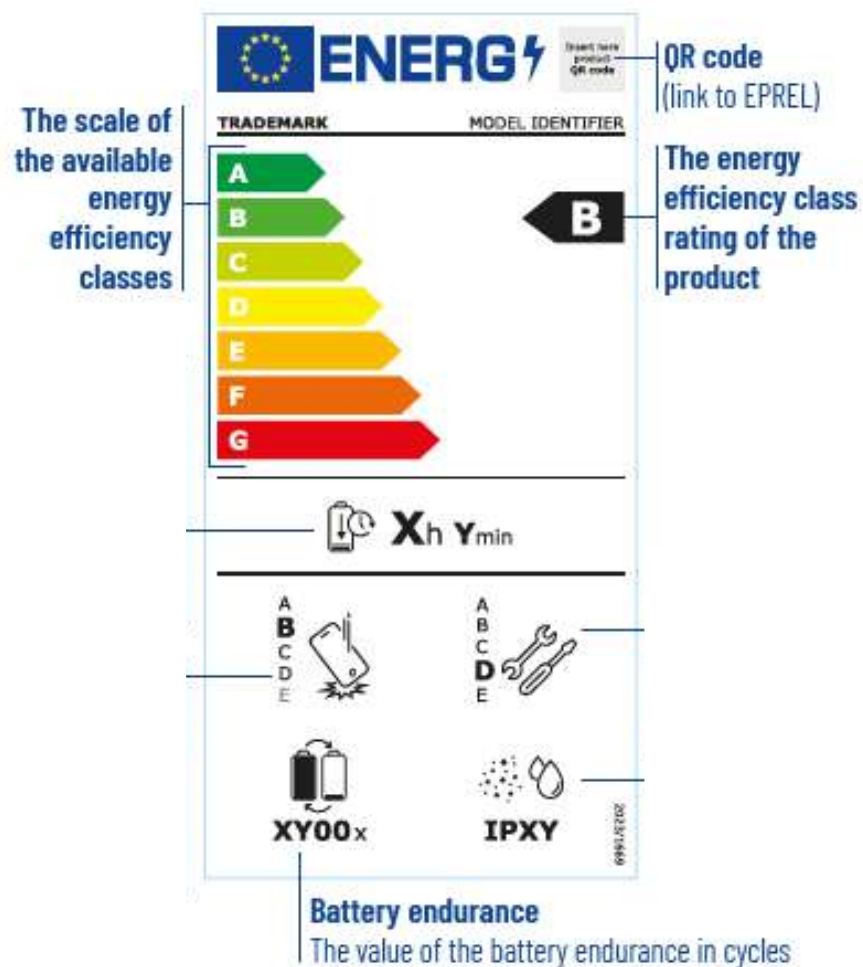
Indicated by an IP code from 0 to 8

(0 = no protection and 8 = very well protected)

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



The energy label



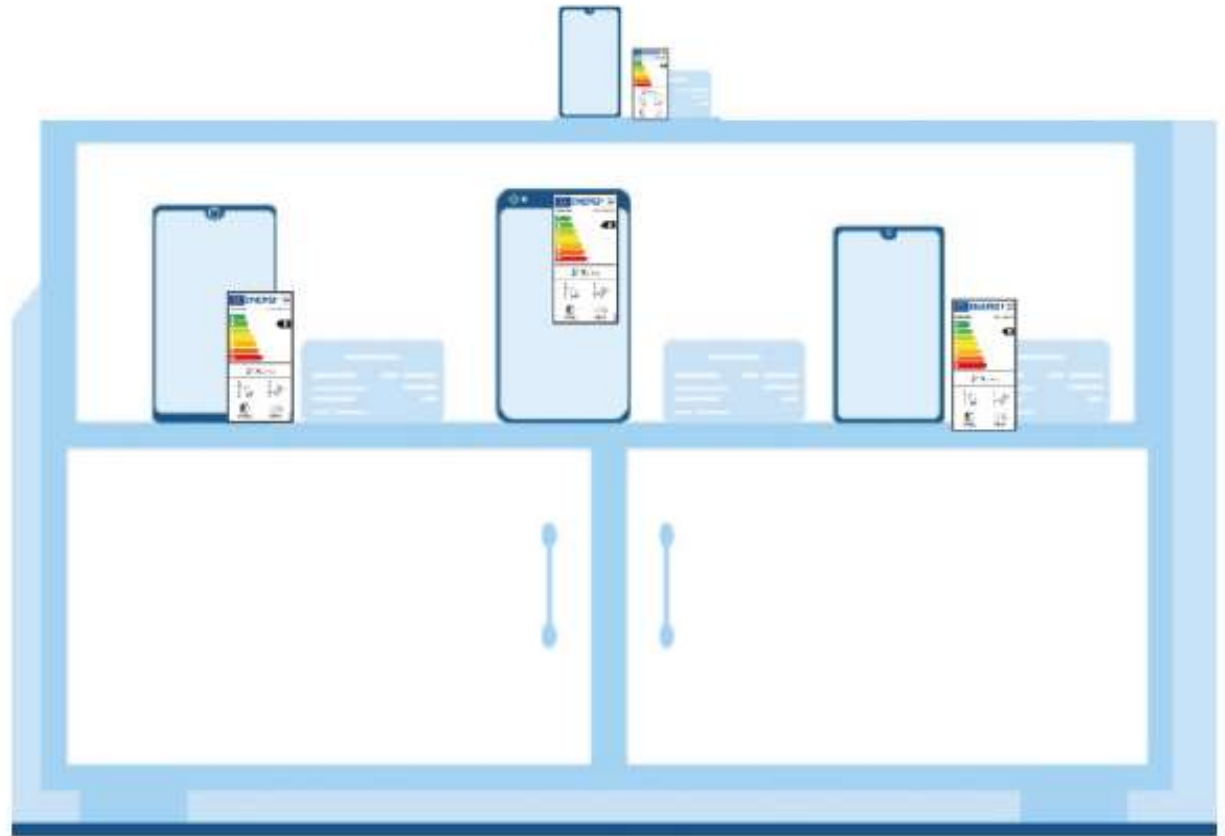
- **Battery endurance**

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.*

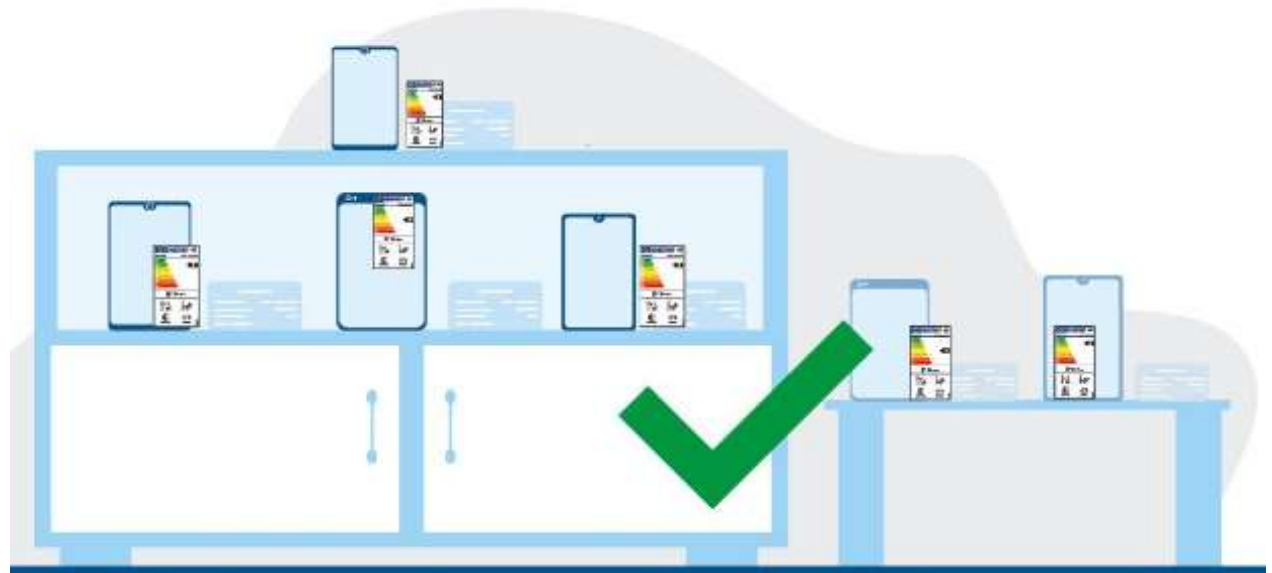


[\(EU\) 2023/1669](#) art. 4



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.



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*)



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.

Important links

- GUIDELINES for dealers AVAILABLE
<https://www.product-compliance-services.eu/dealers-and-installers/quick-guides-dealers-installers/guidelines-for-dealers/smartphones-slate-tablets-dealers>
- You can download the energy arrows here
<https://circabc.europa.eu/ui/group/7f4824e3-f72c-4126-b6b8-842a4443a4ca/library/17bc1987-e20e-49d5-a847-f7e28070c23b/details>
- Compliance Services website
<https://www.product-compliance-services.eu/>

Guidelines for dealers

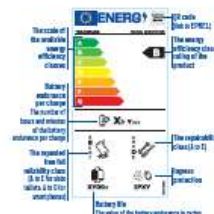
New energy labels for smartphones and tablets



As a dealer, it is your responsibility – and a legal requirement – to display energy labels for smartphones and tablets you market or sell.

The energy label for smartphones and tablets

For more than 20 years, the energy labels have supported consumers in choosing more energy-efficient products. Starting on the 20th of June 2023, smartphones and slate tablets will have to comply with the new energy labelling regulation (EU) 2022/1058. The energy label provides consumers with new information about smartphones and tablets, such as battery endurance, the number of charging cycles over the battery's total lifespan, and how easy the product is to repair.



What are your obligations as a dealer?

As a dealer, there are several requirements to be aware of. The specific requirements depend on whether the product is:

- Sold in physical shops or displayed/sold at trade fairs
- Sold online
- Featured in marketing or sales material

Physical shops/trade fairs

It is your responsibility, among other things, to:

- Ensure that all products – whether unpackaged or not – have an energy label displayed in proximity to the product or hung on it or placed in such a way as to be clearly visible and unequivocally associated to 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 European Product Registry for Energy Labelling.

Ensure that the model identifier on the energy label matches the product.

Online sales

It is your responsibility, among other things, to fulfil these requirements:

- 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 label and PIS must open with only one click. For the PIS, you can also set a link to the specific product information on EPREL.
- The link for PIS must be named "Product Information Sheet"
- The energy arrow must follow a specific layout and point to the left (example see in the left column beside the label) 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.
- The energy arrow and link must be shown every time a product is displayed – even if it is not possible to "add the product to the basket." This also applies to list views.
- When selling products, the full energy label and PIS must be included with the product.

Visual advertisements, technical promotional material and distance selling, except online sales

It is your responsibility, among other things, to fulfil these requirements:

- The energy arrow (see above) must be displayed
- Only materials in black and white may use a black and white version of the energy arrow.
- 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.
- Telemarketing based on printed materials must inform the customer of a free and publicly accessible website where the full energy label and PIS can be viewed, or offer a printed copy.

Market surveillance

The national market surveillance authority carries out regular inspections to verify compliance of products and product information. Improper or missing use of the energy label may result in a non-compliance report and a fine.

Smartphones & tablets



For online sales
Wrong energy efficiency arrow
The arrow must point to the left and be at least the same size as the price.

Trade shop/trade fair



From the 20th of June 2023 onwards, all units placed on the market since and of 1,000 smartphones on the 20th of March 2023, these products are not subject to the energy label on those products.

but, in damaged, you are entitled to receive a new energy label can also be downloaded from EPREL.

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Smartphones and tablets with a flexible main display which the user can unroll and roll up partly or fully (also called reliable mobile phones and tablets) are not subject to the energy labelling requirements.

Products with an energy label have to be registered in the EPREL database by the suppliers. Specific models can be found by the model identifier, scanning the QR code on the energy label or by searching by GTIN (however, suppliers are not obliged to state the GTIN).

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EPREL

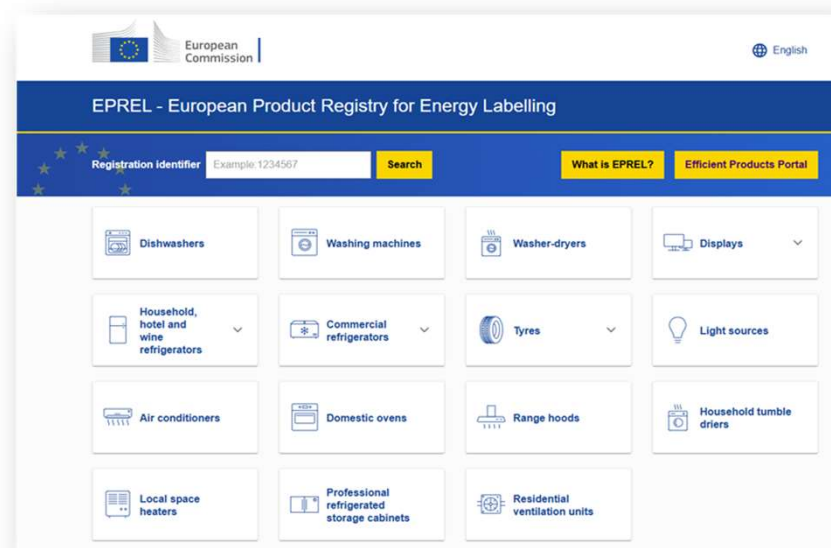
Mr. Juraj Krivosik, SEVEn, Czechia



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

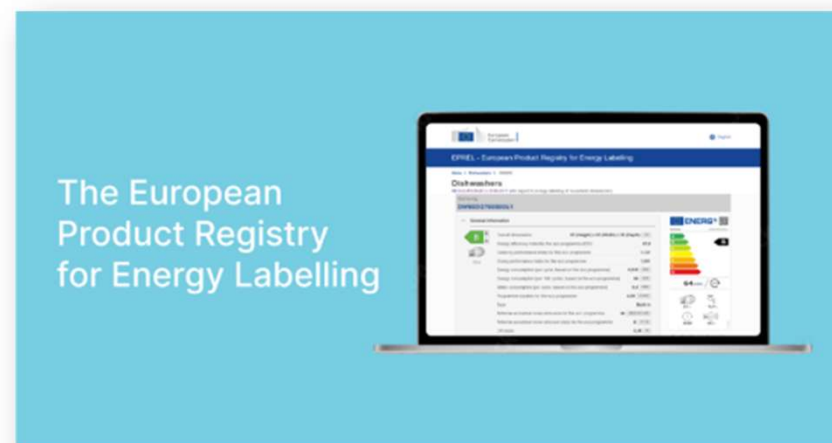




How to use EPREL

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 validates 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 Directive 1919/2006/EC. It should also be possible to reuse the seal, as long as it is not used for verification.

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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

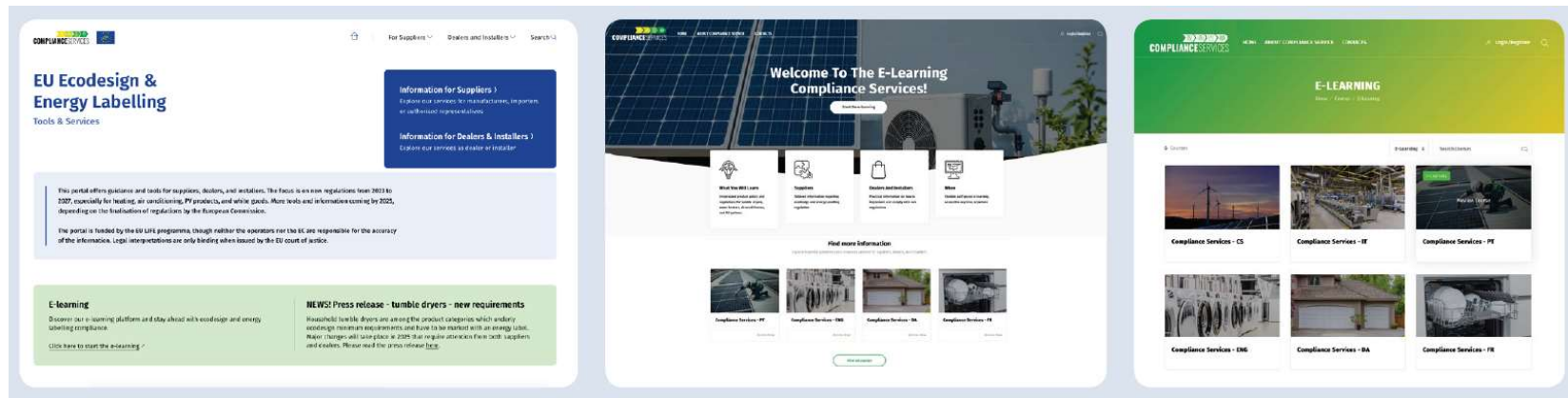


Guidelines for suppliers are under preparation.

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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:



Subscribe to our newsletter!

Receive regular occasional updates on the project activities - please fill in your email address:

☐ I agree that the email will be used exclusively to send me the Compliance Services project newsletter and relevant updates about project-related activities and events. Personal data will not be shared with third parties and will be retained only for as long as necessary to fulfill these purposes or until I withdraw my consent. I have the right to request restriction or deletion of my personal data at any time. Contact the project at project@product-compliance-services.eu to request these rights or for any questions. [Data Privacy](#).

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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WWW.PRODUCT-COMPLIANCE-SERVICES.EU