



Energy-related Products (ErP)

Directive 2009/125/EC OF THE EUROPEAN PARLAMENTS



ENERGY LABELING: Regulation (EU) 2017/1369 updated energy labelling requirements and repealed Directive 2010/30/EU. From January 2019, models need to be entered into the European product data base.

ECO DESIGN: For implementation of the Directive 2009/125/EC for **household products** and **consumer electronic products**, mandatory for **CE-marking**.

Regulations 1275/2008 + 801/2013 + 2019/2021 and 107/2009 are replaced by Regulation (EU) 2023/826 (Electrical and electronic household and office equipment) from 09.05.2025

ECO DESIGN AND ENERGY LABELING LEGISLATION:

Regulation 2023/826:

MANDATORY FROM 09.05.2025!

Off mode, standby mode, and networked standby energy consumption of electrical and electronic household and office equipment.

- Power consumption in **off mode max. 0,50 W** (from 05/2027 max. 0,30 W).
- Power consumption in **standby mode**, providing only a reactivation function, **max. 0.5 W**
- in any condition **providing only information or status display, max. 0.8 W** allowed (for most of the products)
- for **networked or HiNA** equipment, higher limits (8 W ... 2 W) apply

In addition, a **suitable power management** is required, which switches the equipment into standby or off mode after the shortest possible period of time automatically. The power management function shall be activated before delivery.

Remark: A LED (only) is not considered to provide information or to be a display.

Newly added product groups:

- **Complex set top boxes and simple set-top boxes**
- **Motor operated adjustable furniture**
- **Motor-operated building elements**

Regulation 2019/2021 + 2021/341 (ECO) and 2019/2013 (Energy Label):

Standby mode, off mode and active mode power consumption for television.

- Power consumption in **off/standby mode with/without display** is limited to **max. 0.30 W / 0.50 W / 1.00 W**.
- For networked or HiNA equipment, higher limits (7.7 W ... 2 W) apply.
- The power consumption in active mode is limited and peak luminance ratio of min. 65 % as well as an **"automatic power down"** function which switches the TV from active mode into standby mode **after four hours** without interaction of the user is required.

Regulation 2019/1782:

External power supplies for the supply of electrical / electronic household and office equipment, consumer equipment as well as electrical and electronic toys, leisure and sports equipment.

The **no-load power consumption** shall not exceed **0.10 W / 0.30 W** and for **average active efficiency**, limits apply.

HiNA = Networked equipment with high network availability (router, network switch, wireless network access point, hub, modem, VoIP telephone, video phone).

STC Germany offers power consumption testing and the preparation of the conformity documentation as required according to the above mentioned regulations.

For more information, please contact:

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