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What are the new ecodesign requirements for external power supplies?

The draft Commission Regulation proposes new ecodesign requirements for External Power Supplies (EPS), Battery Chargers for portable batteries, Wireless Chargers, Wireless Charging Pads, and USB Type-C cables. 1. Extending the scope - Wireless Chargers and Battery Chargers for portable batteries, as per Regulation (EU) 2023/1542. 2.

What are the new EU power supply regulations?

Expanded Scope: The new regulations will apply not only to external power supplies but also to battery chargers, wireless charging pads, and USB-C cables sold in the EU. Increased Power Capabilities: The limitation on product power of 250W will be lifted, allowing for more powerful devices to be designed, aligning with sustainability goals.

How many external power supplies are there in the EU?

In 2020, 1.7 billion external power supplies (EPS) were in use in the EU27, of which 75% for residential use, on average 6.5 units per EU household. They converted 48 TWh/a of electricity from the 220V mains to the input needed by the powered products.

Are 'external power supplies' covered by EcoDesign regulations?

Known as 'External Power Supplies', these products are covered by ecodesign regulations that are about to be updated. The European Commission has just published a draft revision of this legislation. What does the draft get right, and what must still be improved?

What are external power supplies?

External power supplies are one of the product groups listed in the working plan. The Commission established ecodesign requirements for external power supplies in Regulation (EC) No 278/2009. Pursuant to this Regulation the Commission should review it in the light of technological progress.

What are external power supplies (EPS)?

Sometimes known as 'power adaptors' or 'power packs', External Power Supplies (EPS) power or recharge electronic and electric devices. Often sold with the devices they power, we all have many such products in our homes and workplaces. In 2020, EPS consumed 11.6 TWh of electricity, enough to cover the energy needs of 3 million EU households.

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Nov 26, 2024 EU draft regulations aim to enhance energy efficiency and sustainability for EPS and USB-C cables, affecting design, labeling, and durability standards by 2025.

Dec 15, 2021 Regulatory standards cover safety and electromagnetic compatibility (EMC) and efficiency. Safety and EMC standards are ?

Product Energy Efficiency - External Power Supplies. The rules apply to both the active efficiency and the no-load power consumption. Active efficiency is the average efficiency when a power ?

Feb 16, 2024 In most countries, electrical installations shall comply with more than one set of regulations, issued by National Authorities or by recognized private bodies. It is essential to ?

Oct 20, 2025 1 International External Power Supply Regulations For the past several years, various international organizations, spearheaded by the EPA's Energy Star® organization, ?

The EU Commission has instituted regulation 2019/1782 laying down eco-design directives for external power supplies. Effective October 2019, this ?

3 days ago A European power cable is a type of electrical cable used to connect devices to the power grid in European countries. These cables ?

Jan 13, 2025 Understand how international standards address ??????????????????, ensuring safety, efficiency, and compliance ?

May 2, 2022 4.12 Even if a UPS is present to cope with failure/variation of the normal power supply for computers and other business critical equipment, it will still be necessary for certain ?

4 days ago The ability to sell power supplies, either built-in or external types, around the world depends on meeting the relevant safety standards that apply in those territories. These ?

The draft Commission Regulation proposes new ecodesign requirements for External Power Supplies (EPS), Battery Chargers for portable batteries, Wireless Chargers, Wireless Charging ?

Aug 3, 2023 To help conserve energy and reduce waste, these agencies created initiatives and legislation to compel power-supply designers to develop offline power supplies with higher ?

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5 days ago FUTINA European outdoor socket has many options of function keys, including 16A 220-250v single schuko socket outlet and double pole ?

Apr 30, 2024 On March 2, 2025, the European Commission published a revised draft of the regulation on the ecodesign requirements for external power supplies. The scope of ?

Dec 6, 2023 Introduction to IEC 62368-1, Ed. 4 When IEC 62368-1, the global safety standard for consumer electronics (audio/video) apparatus and information technology equipment, was ?

Commission Regulation (EU) 2019/1782 of 1 October 2019 laying down ecodesign requirements for external power supplies pursuant to Directive 2009/125/EC of the European Parliament and ?

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