

KREATYWNY ENERGY POLSKA

EU portable mobile power supply standards



Overview

On 13 October 2025 the European Commission adopted Regulation 2025/2052, introducing updated “ecodesign” standards for external power supplies (EPS), portable-battery chargers, wireless chargers / charging pads, and USB-Type-C cables. External Power Supplies (EPS) are stand-alone devices used to convert AC voltage and supply electricity to, or charge built-in batteries of electronic and electric devices such as laptops, mobile phones, tablets, electric tooth brushes, electric shavers, wireless routers, computer monitors etc. A major shift in the way chargers, adapters, and power accessories are designed, labelled, and sold in the EU — with global implications.

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Laws and Regulations to Consider When Using Portable Power ...

Discover essential laws and regulations for using portable power stations in Europe. Understand compliance requirements, safety standards, and environmental guidelines to ensure ...

EPS Regulation 2025/2052 (NEW)

This requirement intends to simplify charging and power supply solutions across different devices and brands, ultimately reducing electronic waste and improving consumers' convenience.



Powering up sustainably: EU proposes new rules on External Power

Many of the devices we use--from electric toothbrushes and shavers to laptops, mobile phones, and tablets--have built-in batteries that must be fed electricity by an external source. Known ...

External Power Supplies

The Ecodesign regulation (EU) 2019 /1782 which is in application since April 2020, covers external power supplies with an output power of maximum 250 W, which are intended to work with electrical ...



EU Draft Rules to Redefine Power Supplies and USB-C Standards

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

Common external power supply

Common EPS started as an EC-sponsored agreement between manufacturers, and was formalised into a technical standard by relevant EU standardisation bodies. The specification EN/IEC 62684 was ...



Updated draft of ecodesign requirements for external power supplies

In addition, USB Type-C cables should be subject to ecodesign requirements to ensure that their energy losses remain

within the limits set out in the relevant USB standards and that they ...



New EU Regulations for External Power Supplies: What You

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