



Outdoor power supply European standard





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. New ecodesign requirements apply as of 14th December 2028 for 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. Summary: Understanding outdoor power supply specifications is critical for industries like renewable energy, construction, and emergency services. Learn about certification requirements, market trends, and practical selection tips in this comprehensive guide. But don't worry—we've broken down the key standards for Europe and North America to help you streamline compliance and expand your market reach. Let If you're in the outdoor.



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[Latest Outdoor Power Supply Evaluation Standards: A ...](#)

Summary: Discover the 2024 evaluation criteria for outdoor power supplies, including safety certifications, battery performance metrics, and industry-specific requirements. Learn how these ...

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 ...



[Understanding European and American Outdoor Power Supply ...](#)

If you're in the outdoor power supply industry, navigating certification requirements can feel like solving a complex puzzle. But don't worry--we've broken down the key standards for Europe and North ...



[Outdoor Power Supply Kit European Standard Model: Your Ultimate ...](#)

Summary: Discover how European-standard outdoor power supply kits revolutionize portable energy solutions for camping, emergency backup, and professional use. Learn about certification ...



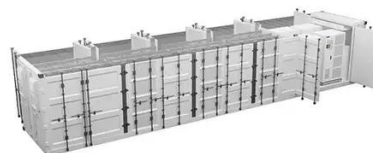
[Updated draft of ecodesign requirements for external power supplies](#)

Ecodesign Directive 2009/125/EC: This European directive sets out the requirements for the environmentally sound design of "energy-related products" in the single market of the European ...



[New EU Regulations for External Power Supplies: What You](#)

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[Outdoor Power Supply Standards: Key Requirements for Reliable ...](#)

Summary: Understanding outdoor power supply specifications is critical for industries like renewable energy, construction, and emergency services. This guide explores standard requirements, ...

[External Power Supplies External Power Supplies: Energ](#)



Below are the countries or regions mandating that external power supplies (EPS) (with some exemptions) shipped across their borders meet specific efficiency levels:

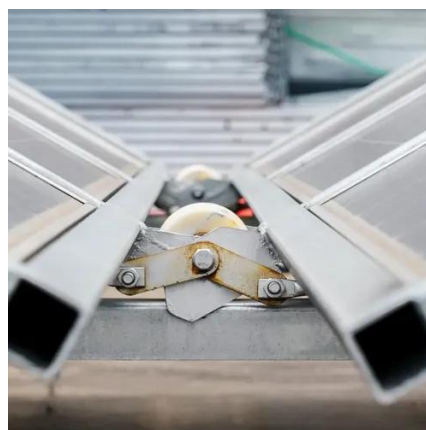


EPS Regulation 2025/2052 (NEW)

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

[EU Draft Rules to Redefine Power Supplies and USB-C Standards](#)

In an effort to further streamline energy efficiency and sustainability, the European Union is in the process of introducing new requirements for External Power Supplies (EPS) under the ...





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