

Is the EU outdoor power supply waterproof





Overview

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 a legal requirement?

In 2020 it was finally scrapped and in its place the EU introduced the new Ecodesign 2019/1782 requirements for external power supplies, which is a legal requirement, not a voluntary one.

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?

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Are external power supplies efficient?

The efficiency of external power supplies (EPS) has been a concern of power supply manufacturers and OEM's since California mandated the first efficiency requirements in 2004.

Does the EU require a Level V power supply?

The EU on the other hand continued to require Level V, but starting in 2013, the Joint Research Centre of the European Commission had released a voluntary standard defined in its Code of Conduct on Energy Efficiency of External Power Supplies version 5, often referred to as CoC v5 or just CoC.



Are energy savings possible for external power supplies?

The possible energy savings for household and office equipment and external power supplies is huge. The EU evaluated the existing regulations and concluded that an update was necessary. In October 2019 the EU published a new Regulation (EU) 2019/1782 for external power supplies (EPS). It will replace Regulation (EC) 278/2009 on 1 April 2020.



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[International External Power Supply Regulations Whitepaper](#)

In 2014, the US Department of Energy formalized their newest mandatory standard and the EU's voluntary Code of Conduct version 5 took effect. This white paper briefly explains the US and ...



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