

# SAFEGUARDS

SGS CONSUMER TESTING SERVICES

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## CENELEC ANNOUNCES FINAL DRAFT OF EUROPEAN STANDARD 50563

Technical Committees CENELEC TC 108X and TC 59X have announced the publication of a final draft standard that specifies methods of measurement of electrical power consumption for external power supply units.

Designed to support the objectives of the EU legislation for Ecodesign (EC Regulation 278/2009), the new standard has been drafted in response to an EC mandate calling for a harmonized standard incorporating state of the art measurement methods to provide a reproducible, reliable and accurate method for measuring power consumption. The method specified by the standard is able to determine the average efficiency of both a.c. - a.c. and d.c. external power supplies in active modes as well their power consumption under no-load conditions. Applying to a wider range of products than the EC Ecodesign Regulation, the 50563 final draft refers extensively to the EU mandated EN62301 Household Electrical Appliances Measurement of Standby Power, a standard which was also written to support the Ecodesign legislation. Standard 50563 also includes test method provisions based on those already published by the EPA

and under Australia / New Zealand Standard AS/NZS 4665.1.

### RANGE OF POWER SUPPLIES COVERED BY THE STANDARD

The range of power supplies to fall within the standard include those with user selectable output voltage, as well as fixed output voltage and those capable of automatic switching to meet a range of output voltage so as to be compatible with one or more product loads. The standard is specifically limited to describing methods for the measurement and reporting of power consumption, and hence while the standard supports the EC Ecodesign Directive, guidelines for product safety and safety precautions to performing measurements are out of [scope](#). Furthermore, the scope of the standard is limited to those external power supplies having only a single output and falling within specific power and voltage ranges. Specifically, supplies



with an output power of more than 250W fall outside the standard, as do those with a rated output voltage exceeding 325V d.c. or 230V a.c.. The standard covers only supplies with a rated input voltage of between 100V a.c. and 250V a.c..

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Source: [Cenelec website](#).

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