



Content of Technical Documentation to provide to market surveillance authorities



NORDSYN SEPTEMBER 2015

External power supplies are covered by ecodesign requirements according to Regulation (EC) No 278/2009.

The requirements only apply to external power supplies as described in Article 1 and 2 of the Regulation. Be aware that there is a small amendment to Article 2 in Regulation (EU) No 617/2013 Article 4.

The documentation shall be produced before the external power supply is placed on the market. The technical documentation shall be sufficient to enable assessment of the conformity of the external power supply with the requirements. In this respect it is important that test reports are included in the technical documentation.

External power supplies

This guide presents the technical documentation that you have to provide if the market surveillance authorities ask for it. There are however other information requirements and requirements on web-information that you always need to fulfil according to the regulations.

Technical documentation for external power supplies

Demands	How to comply
Name and address of supplier	Company name and complete address.
General description	Description of the model so that it is easily identified (model name and number, size etc.).
List of applied standards	Applied measurement standards (harmonised standards and/or other standards).
Identification and signature of the person empowered to bind the supplier	Name and signature of the person responsible for the product.
Test results and information about power consumption and efficiency Load conditions Percentage of nameplate output current: <ul style="list-style-type: none"> • Load condition 1: 100% • Load condition 2: 75% • Load condition 3: 50% • Load condition 4: 25% • Load condition 5: 0% (no-load) 	Measured at load condition 1–4: <ul style="list-style-type: none"> • Root mean square (rms) output current (mA) • Root mean square (rms) output voltage (V) • Active output power (W) Measured at load condition 1–5: <ul style="list-style-type: none"> • Root mean square (rms) input voltage (V) • Root mean square (rms) input power (W) • Total harmonic distortion (THD) • True power factor
The measured power consumption for load condition 5 (no-load) shall not exceed 0.50 W.	Calculated at load condition 1–4 and measured at condition 5: <ul style="list-style-type: none"> • Power consumption (W)
The average efficiency of the product shall not be less than the limits set out in the Regulation Annex 1 point 1(b).	Calculated at load condition 1–4: <ul style="list-style-type: none"> • Efficiency Arithmetic average at load condition 14: <ul style="list-style-type: none"> • Average efficiency

Technical documentation for external power supplies

This guide presents the contents of the Regulations and is addressed to manufacturers, importers and others interested. The guide is not a substitution for the Regulations, and in any case of doubt, the Regulations are applicable. This guide is not legally binding as a binding interpretation can only be made by the EU court.

COMMISSION REGULATION (EU)
No 617/2013 of 26 June 2013 implementing
Directive 2009/125/EC of the European
Parliament and of the Council with regard to
ecodesign requirements for computers and
computer servers.

COMMISSION REGULATION (EC)
No 278/2009 of 6 April 2009 implementing
Directive 2005/32/EC of the European
Parliament and of the Council with regard
to ecodesign requirements for no-load
condition electric power consumption and
average active efficiency of external power
supplies.

Nordic Council of Ministers
Store Strandstræde 18
DK-1255 Copenhagen K
Phone +45 33 96 02 00
Fax +45 33 96 02 02

www.norden.org