

Necessary content of Technical Documentation

External power supplies

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.

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	<p>Measured at load condition 1-4:</p> <ul style="list-style-type: none"> • Root mean square (rms) output current (mA) • Root mean square (rms) output voltage (V) • Active output power (W) <p>Measured at load condition 1-5:</p> <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 <p>Calculated at load condition 1-4 and measured at condition 5:</p> <ul style="list-style-type: none"> • Power consumption (W) ■ <p>Calculated at load condition 1-4:</p> <ul style="list-style-type: none"> • Efficiency <p>Arithmetic average at load condition 1-4:</p> <ul style="list-style-type: none"> • Average efficiency ■
<p>Load conditions</p> <p>Percentage of nameplate output current:</p> <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) 	<p>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</p> <p>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</p>

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

The measured power consumption for load condition 5 (no-load) shall not exceed 0.50 W.

The average efficiency of the product shall not be less than the limits set out in the Regulation Annex 1 point 1(b).