



BUREAU
VERITAS

Regulation (EU) 2019/1782 for external power supplies will replace regulation (EC) 278/2009

Manufacturers will need to comply with these new regulation by April 1st, 2020

APPLIED PRODUCT CATEGORY

External power supplies for Household /Audio-video & IT products / Toys, leisure and sports equipment

OVERVIEW AND MAJOR CHANGE

Example of products excluded from the regulation:

- Voltage converters
- Battery chargers without power supply function
- External power supplies for lighting products (luminaires)
- Docking stations for autonomous appliances

New eco-design requirement:

• No-load condition power consumption:

- Output power (Po) difference category is now 49W (before it was 51W)
- Decrease AC/AC max no-load power up to 0,21W (before it was 0,50W) for $P_o \leq 49W$ and for $P_o > 49W$
- Decrease AC/DC max no-load power to 0,10W (before it was 0,30W) for $P_o \leq 49W$, 0,21W (before it was 0,50W) for $P_o > 49W$
- Decrease Low Voltage max unload power to 0,10W (before 0,30W) for $P_o \leq 49W$
- Add requirement of max unload power 0,21W for low Voltage with $P_o > 49W$
- Create max unload power at 0,30W for multiple voltage output
- Add one Load Condition for 10% of nameplate output current.

• Average active efficiency:

- Output power difference category for 49W (before 51W)
- Modifications of the calculations between AC/AC and AC/DC types
- Add a calculation for Multiple voltage output external power supplies

• Information requirement

Rating labels & instruction manuals for end-users and free access websites of manufacturers, importers or authorized representatives shall include the necessary information given in the regulation.

For products with more than one output voltage, the sets of available Output voltage - Output current- Output power shall be given.

IMPACT AND ACTION REQUIRED

Based on the requirement of new amendments, new tests will be performed. Kindly please contact our sales representative or email to us for more information.

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Consumer Products Services – Electrical & Electronic Products

E-mail: BVLCIEMKT@cn.bureauveritas.com

Tel: +86 21 6195 7000

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