

Energy Usage



RN Electronics can help you meet the energy usage requirements for Europe, Canada and California.

We test products to the latest energy usage regulations.

Europe	Canada	California
Requirements are listed under the ErP (Energy Related Products) Directive. Standby/off mode energy performance is tested in accordance with EN 62301 and ON mode performance is tested in accordance with EN 62018.	Regulations are listed by OEE (Office of Energy Efficiency). Standby/off mode energy performance is tested in accordance with EN 62301. Product must carry a certification body mark.	Required to measure on & standby energy usage and power factors. Test conducted in accordance with EN 62087. Third party approval from approved laboratory required.

The ErP directive came into effect in the EU from 20 November 2010. Several Implementing Measures (IM) were introduced to enforce the directive, one which is to ensure lowest possible energy usage in standby and off mode.



The power requirements that most equipment will need to comply with are

- By Jan 7 2010 – Off mode not to exceed 1 W consumption
- By Jan 7 2010 – Standby mode not to exceed 1 W; or 2 W if providing information or status display
- By Jan 7 2013 – Off mode not to exceed 0.5 W consumption
- By Jan 7 2013 – Standby mode not to exceed 0.5 W; or 1 W if providing information or status display

Measuring low standby currents with bad power factors is a challenge. We at RN electronics can help you overcome that and ensure that the product meets the above standby/off mode power limits. Some of the common types of products we test are – IT equipment, radios, Televisions, Video cameras & recorders, Hi-fi recorders & audio amplifiers, Home theatre systems, Musical instruments and Household appliances.

For further information contact RN Electronics, an established, cost effective, knowledgeable and complete service solution.

www.RNelectronics.com

+44 (0)1277 352219 sales@RNelectronics.com