



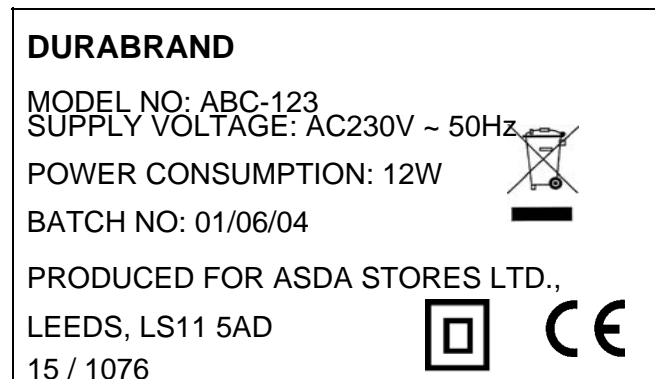
TECHNICAL REQUIREMENTS ELECTRONICS

Product Markings

All electrical products must be fitted with a permanently attached Rating identification label, which should include the following information as a minimum:

- Brand Name.
- Model Number.
- Input Supply Voltage and frequency.
- Power consumption or current rating.
- Manufacturing Batch number or date code
- CE mark.
- Double insulation symbol (if applicable).
- WEEE Recycling mark.
- Operating Frequency Ranges (for Radio products)
- Asda spec number
- Asda Address

An example of a typical rating label is shown below:



Technical requirements

All products:

- Ease of use, using instructions provided, where applicable
- Size as specified in specification
- Accessories must be supplied as specified in specification
- Colour match with other items in the range where applicable
- Workmanship and functionality carried out by ASDA Development Technologist
- Product performance as per specification
- Dimensions must be as per specification
- WEEE and CE marking
- All products must have a UK plug and fuse rating

Electrical family	General Requirements
Mains Powered Products	<ol style="list-style-type: none"> 1. Must comply with the Low Voltage Directive for Electrical Equipment Safety 73/23/EEC. 2. Must comply with the Electromagnetic Compatibility Directive 89/336/EEC. 3. Any product falling under the above directives must also comply with the CE Marking Directive 93/68/EEC. The CE mark must be included on the product, packaging or instructions. 4. Presumption of conformity to the above Directives should be demonstrated by compliance with a harmonised standard, which is endorsed by an accredited laboratory. 5. These regulations apply to all electrical equipment designed for use within specified voltage limits (>50V & <1,000V for a.c. supplied products, & >75V & <1,500V for d.c. supplied products), excluding plugs, socket outlets and adapters for domestic use. 6. All electrical products intended for use in the United Kingdom should be designed to be compatible with the United Kingdom 230V, ~50Hz, a.c. electrical mains supply. 7. All products intended for use in the United Kingdom must be fitted with a suitably rated fuse. 8. All Plugs, sockets and adapters fitted to a product must comply with standard BS1363. 9. Additional care should be taken to ensure that counterfeit plugs and fuses are not fitted to any electrical product – if in doubt, consult the Asda Development Technologist. 10. All electrical products should be designed and manufactured to ensure that protection against the following hazards are assured, providing the product is used in applications for which it was designed. The product: - <ul style="list-style-type: none"> • Must protect against danger of physical injury or other harm, which might be caused by electrical current - direct or indirect.

	<ul style="list-style-type: none"> • Must ensure temperatures, arcs or radiation which would cause a danger are not produced. • Must offer protection against non-electrical dangers. • Must be suitably insulated for all foreseeable conditions. • Must meet expected mechanical requirements so persons, animals and property are not endangered. • Must be resistant to non-mechanical influences in expected environmental conditions so persons, animals and property are not endangered • In foreseeable conditions of electrical overload shall not endanger persons, animals and property.
<p>Battery Powered Products</p>	<ol style="list-style-type: none"> 1. Must comply with the Electromagnetic Compatibility Directive 89/336/EEC. 2. Presumption of conformity to the above Directive should be demonstrated by compliance with a harmonised standard, which is endorsed by an accredited laboratory. 3. Any product falling under the above directive must also comply with the CE Marking Directive 93/68/EEC. The CE mark must be included on the product, packaging or instructions. 4. Markings for battery type and polarity must be as per test standard EN50088. 5. The product shall include reverse polarity protection for the batteries/supply to protect the product and batteries/supply from overheating, leakage, damage, or other unsafe condition. 6. If batteries are found to be difficult to remove by hand, a battery ribbon shall be fitted to aid their removal. The battery ribbon shall be suitably secured. 7. It shall not be possible to charge primary (non-rechargeable) batteries in the battery compartment of the product.

All products must be tested. Testing for each product must be agreed with the ASDA development technologist. Please view ASDA test requirements: Electronics for tests required and applicable legislation.