

EL603. Industrial Batteries

[EL603-1998/4/2004-58]



1. Scope

The criteria shall apply to industrial used as emergency power supply for motor vehicles, telecommunication, and electronic goods.

2. Certification Criteria

2.1 Environmental Criteria

2.1.1

With respect to use of chemicals during the manufacturing process, the following requirements shall be satisfied.

2.1.1.1

As constituent materials, mercury, cadmium, hexavalent chromium compounds shall not be used.

2.1.1.2

Material Safety Data Sheet (MSDS) for compounds used in manufacturing electrolytes shall be submitted.

2.1.2

With respect to discharge of hazardous substances at disposal stage, electrolyte of lead-acid batteries shall not spread when it leaks.

2.2 Quality Criteria

2.2.1

Rated capacity, maximum discharge current, over-charge performance, capacity storage rate, operation of safety valves, and over-charge life length shall comply with the quality standards specified in the KS C 8518 (Stationary type sealed lead-acid

batteries).

2.2.2

If Korean Industrial Standards are available as a national standard of the product in question, it should satisfy the quality or performance criteria of the standard in question. However, items related to “3.1 Environmental Criteria” are excluded.

2.2.3

If no Korean Industrial Standards are available as a national standard of the product in question, it should satisfy the quality and performance criteria according to the following sequence. However, the items related to “3.1 Environmental Criteria” are excluded. Also, if the E-Mark Certification Criteria Setting Committee determines that the applying criteria are not reasonable considering the characteristic of the product, it should satisfy the standards that were modified by the committee (test item, test method, standards, etc.).

2.2.3.1

National standards other than Korean Industrial Standards.

2.2.3.2

Overseas national standards or international standards regarding the product quality in question.

2.2.3.3

Standards of the organizations at home and abroad that are referred by the current E-mark target product and certification standard.

2.2.3.4

A private standard that is recognized as higher than the national standard in the industry of the product in question.

2.3 Information for Consumers

Appropriate discharge and recycling methods

3. Test Methods

Certification Criteria	Test and Verification Methods
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Environmental Criteria		Verification of submitted documents
Quality Criteria	2.2.1	Test report by an accredited testing laboratory in accordance with the KS C 8518 (Stationary type sealed lead-acid batteries) or certificate of equivalent
	2.2.2~2.2.3	Test report by an accredited testing laboratory in accordance with the applicable standards or certificate of equivalent
Consumer Information		Verification of submitted documents

3.1 General Matters

3.1.1

One test sample shall be required for each applied product.

3.1.2

Test samples shall be collected at random by a certification institute from products in market or those in storage at the production site.

3.1.3

The result of test shall be numerically set according to KS Q 5002 (Statistical interpretation method of the data – Part 1: Statistical description of the data).

4. Reasons for Certification

“Less electrolyte leaks, reduced harmful substances (not for lead-acid batteries)”

Common Criteria, Notice No. 2012-36, the Ministry of Environment

1. Eco-label products must follow the following provisions with regard to the proper treatment of environmental pollution substances, such as air and water wastes and noxious chemical substances emitted in the process of manufacturing or service operation.

A. When first applying for certification, the product manufacturer should observe the environment related laws and agreements pertaining to the region where the production factory or the place of service operation is located for a period of one year prior to the date of application. Any case of violation of the penalty clause will be verified by confirming documents involved during a period of one year to the date of application. Regarding any violation not related to the penalty clause, confirmation will be made on the completion of appropriate measures.

B. A person who has received a certification of eco-labeling shall observe the environment related laws and agreements pertaining to the region where the production factory or the place of service operation is located during the period of certification. However, regarding any violation besides a penalty, confirmation will be made on the completion of appropriate measures.

2. As a general rule, information for consumers shall be indicated on the surface of the product in such a way not to be easily erased. However, in case that indication on the surface of the product is impossible or undesirable, it can be indicated on the appropriate part such as product packaging, product guidebook and user's manual that consumers can recognize. However, the service information should be indicated inside and outside of the place of service operation. In case that indication inside and outside of the place of service operation is impossible or undesirable, it can be indicated on the appropriate part such as an agreement, letter of delivery, letter of guarantee, and PR materials that consumers can recognize.

3. In order to establish fair trade and to protect consumer, the applicant for eco-label and the holder of eco-label license shall observe the Act on the Fairness of

Indication and Advertisement with respect to the environmental aspects of the product.

4. For Various standards referred in the certification criteria by target product, the latest revised edition applies at the date of application, if not specified otherwise.

5. In applying the quality related criteria for each target product, if no standard is available that can be applied as the quality criteria, the president of Korea Environmental Industry & Technology Institute (KEITI) (hereafter referred to as "president of KEITI") may establish and operate the quality criteria for the product involved after review by a competent committee.