

**ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS
AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022**

ARRANGEMENT OF REGULATIONS

Regulation

Preliminary Provisions

1. Purpose of Regulations
2. Application of Regulations

Duties and Requirements

3. Duty to comply with requirements
4. Prohibition of manufacture, importation, offer for sale, sale, storage, donation, disposal, installation or use of electric kettle
5. Category of electric kettle
6. Minimum energy performance standard of electric kettle
7. Voltage, input power or wattage of electric kettle
8. Measurement methods
9. Use of circumvention device
10. Technical documentation
11. Labelling and information requirements

Registration of Electric Kettles

12. Appliance Energy Efficiency Register
13. Application for registration
14. Consideration of application
15. Grant of application

Duties of Dealers and Suppliers of Electric Kettles

16. Duty of dealer to keep, maintain and provide technical documentation
17. Duty of supplier to keep, maintain and provide technical documentation
18. Duty of supplier to keep, maintain and provide Product Information Sheet
19. Duty of supplier to provide information for statistical purposes
20. Duty of supplier to ensure accuracy of information

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

21. Access to information on technical documentation and Product Information Sheet
22. Product brochure in respect of electric kettle

Information

23. Public information
24. Information in respect of mail order and other distance selling
25. Obligations of audio or audio-visual broadcasting service provider
26. Obligations of e-commerce platform
27. Misleading information
28. Restriction on disclosure of information

Powers of Enforcement

29. Power of enforcement authority to require technical documentation
30. Power of enforcement authority to inspect electric kettle
31. Power of enforcement authority to detain or seize record or electric kettle
32. Power of enforcement authority to test electric kettle

Detention, Re-Exportation and Seizure

33. Procedure for market surveillance and verification
34. Order to access premises to inspect, detain or seize electric kettle or record
35. Procedure for detention of electric kettle
36. Procedure for re-labelling of detained electric kettle
37. Procedure for re-exportation of imported electric kettle
38. Procedure for seizure of electric kettle

Petition and Compensation

39. Petition against seizure
40. Forfeiture and destruction of seized electric kettle
41. Compensation for loss of electric kettle or record seized
42. Recovery of expenses by enforcement authority

**ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS
AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022**

Miscellaneous Provisions

43. Offences and penalties
44. Interpretation
45. Transitional provision

SCHEDULES

FIRST SCHEDULE

Standards

SECOND SCHEDULE

Minimum Energy Performance Standards

THIRD SCHEDULE

The Label

FOURTH SCHEDULE

Product Information Sheet

FIFTH SCHEDULE

Verification Procedure for Market Surveillance

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

IN exercise of the power conferred on the Minister responsible for Energy by subparagraph (i) of paragraph (a) of subsection (1) of section 56 of the Energy Commission Act, 1997 (Act 541) and on the advice of the Board, these Regulations are made this 28th day of June, 2022.

*Preliminary Provisions***Purpose of Regulations**

1. The purpose of these Regulations is to promote the efficient use and conservation of energy in the country and mitigate related climate change by

- (a) providing for
 - (i) the enforcement of Standards set out in the First Schedule and the minimum energy performance standards set out in Part One of the Second Schedule;
 - (ii) the labelling of electric mains-operated electric kettles;
 - (iii) supplementary information on electric mains-operated electric kettles; and
 - (iv) the registration of models of electric kettles in the Appliance Energy Efficiency Register; and
- (b) prohibiting the manufacture, importation, offer for sale, sale, storage, donation, disposal, installation or use of an electric kettle that does not meet the minimum energy performance standards set out in Part One of the Second Schedule.

Application of Regulations

2. These Regulations apply to an electric kettle with a water capacity not exceeding 2.5 litres

- (a) manufactured in the country; or
 - (b) imported into the country
- for display, sale or use.

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

Duties and Requirements

Duty to comply with requirements

3. (1) A person who manufactures, imports, offers for sale, sells, stores, supplies, distributes, donates or otherwise disposes of an electric kettle for use in the country shall ensure that each model of the electric kettle

(a) is registered with the Commission; and

(b) meets the

(i) Standards set out in the First Schedule;

(ii) minimum energy performance standards set out in Part One of the Second Schedule;

(iii) labelling requirements set out in the Third Schedule; and

(iv) information requirements set out in the Fourth Schedule.

(2) A person who advertises an electric kettle shall comply with the provisions of Part Five of the Fourth Schedule.

Prohibition of manufacture, importation, offer for sale, sale, storage, donation, disposal, installation or use of electric kettle

4. (1) A person shall not manufacture, import, offer for sale, sell, store, donate, or otherwise dispose of, install or use an electric kettle in the country unless the electric kettle

(a) meets the minimum energy performance standards set out in Part One of the Second Schedule; and

(b) meets the requirements

(i) set out in the Second Schedule; and

(ii) of the Standards.

(2) An enforcement authority shall

(a) detain, cause to be re-exported, or seize and destroy an electric kettle imported for use in the country contrary to subregulation (1); or

(b) seize and destroy an electric kettle manufactured for use in the country contrary to subregulation (1).

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

Category of electric kettle

5. The category of an electric kettle shall be determined in accordance with the categories set out in Part Two of the Fourth Schedule.

Minimum energy performance standard of electric kettle

6. The minimum energy performance standard of an electric kettle shall be determined in accordance with the requirements set out in Part One of the Second Schedule.

Voltage, input power or wattage of electric kettle

7. The manufacturer of an electric kettle shall ensure that the rated voltage, input power or wattage of that electric kettle is printed conspicuously and displayed on the back or side of the electric kettle.

Measurement methods

8. The information to be provided pursuant to regulations 10 and 11 shall be obtained by

- (a) a reliable, accurate and reproducible measurement which takes into account recognised state-of-the-art measurements; and
- (b) calculation methods

in accordance with the Standards.

Use of circumvention device

9. (1) A manufacturer, an importer or an authorised representative of the manufacturer shall not use a circumvention device during the conduct of a test of an electric kettle.

(2) A person shall not manufacture, import, offer for sale, sell, store, donate or otherwise dispose of, install or use an electric kettle which is designed to

- (a) detect that the electric kettle is being tested by recognising the test conditions or test cycle; or
- (b) react specifically by automatically altering the performance of the electric kettle during the test with the aim of reaching a more favourable level for any of the parameters declared by the manufacturer, importer or authorised representative of the manufacturer, in the technical documentation or included in any other documentation provided.

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

(3) The energy consumption of an electric kettle and any of the other declared parameters shall not deteriorate after a

- (a) software; or
- (b) firmware

update, when measured with the same test standard originally used for the declaration of conformity, except with the consent of the Commission and the Standards Authority, before the update.

(4) A manufacturer, an importer or an authorised representative of the manufacturer shall inform the Commission and the Standards Authority in writing, with reasons, prior to an update of the software or firmware.

Technical documentation

10. (1) A person shall not manufacture, import, offer for sale, sell, store, distribute, donate or otherwise dispose of an electric kettle for use in the country, unless that person has provided the Commission with sufficient technical documentation to enable the Commission

- (a) ascertain the accuracy of the information contained
 - (i) in the Product Information Sheet; or
 - (ii) on the label; and
- (b) register each model of the electric kettle in the Appliance Energy Efficiency Register.

(2) The technical documentation referred to in subregulation (1) shall

- (a) be in the English language;
- (b) include the Product Information Sheet set out in Part One of the Fourth Schedule; and
- (c) contain the information set out in Part Three of the Fourth Schedule marked "Technical Documentation".

(3) The technical documentation shall

- (a) be prepared for each model of an electric kettle placed on the market; and
- (b) include
 - (i) the name and address of the supplier;

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

- (ii) the description of the electric kettle, for purposes of identification;
- (iii) the model identifier of the manufacturer;
- (iv) the relevant drawings on the main design features of the model and parameters of the electric kettle that affect the energy consumption of the electric kettle;
- (v) reports of relevant measurement tests carried out in compliance with the Standards;
- (vi) details of calculations, extrapolations and tests carried out to verify the accuracy of calculations;
- (vii) the installation and operating instructions; and
- (viii) the period within which the model of the electric kettle was manufactured.

Labelling and information requirements

11. (1) A person shall not manufacture, import, offer for sale, sell, store, supply, distribute, donate or otherwise dispose of an electric kettle for use in the country, unless the electric kettle and the packaging of the electric kettle meet the following requirements:

- (a) the electric kettle shall bear a label
 - (i) in the form set out in the Third Schedule; and
 - (ii) placed on the back of the electric kettle;
- (b) the information in respect of the electric kettle indicated on the packaging of the electric kettle shall be in the English language;
- (c) the Product Information Sheet in respect of the electric kettle shall be as set out in Part One of the Fourth Schedule;
- (d) the label on a packaging containing an electric kettle shall
 - (i) contain the information set out in the Third Schedule; and
 - (ii) be printed in colour;
- (e) the labels on the electric kettle and the packaging of the electric kettle shall include the following information:
 - (i) the Quick Response Code;

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

- (ii) the name or trade mark of the manufacturer;
 - (iii) the model identifier of the manufacturer;
 - (iv) the type of electric kettle;
 - (v) the rated water capacity of the electric kettle;
 - (vi) the rated power of the electric kettle;
 - (vii) the rated input voltage of the electric kettle;
 - (viii) the power efficiency (η) of the electric kettle in water heating mode;
 - (ix) the power consumption in auto shut-off mode of the electric kettle; and
 - (x) the country of origin or manufacture;
- (f) the label on the electric kettle shall be printed in colour on a waterproof material and pasted conspicuously on the electric kettle;
- (g) the background of a label printed or pasted on each packaging containing the electric kettle shall be gold in colour; and
- (h) the text on the label of the electric kettle shall be black in colour.

(2) Despite regulation 21, an update to the Standards shall take precedence over the requirements specified in paragraph (e) of subregulation (1) and Part Two of the Second Schedule.

(3) Where

- (a) a side of the packaging is not large enough to contain a label and the blank border; or
- (b) a label would cover more than fifty per cent of the surface area of the largest side of a packaging

the label and the blank border shall be reduced to not less than forty per cent of the largest side of the packaging and pasted on the largest side of the packaging.

(4) A person shall not remove the label on an electric kettle or the packaging containing an electric kettle before the first retail purchase of the electric kettle.

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

(5) For the purposes of this regulation, “first retail purchase” means the purchase of an electric kettle by an end user.

Registration of Electric Kettles

Appliance Energy Efficiency Register

12. (1) The Commission shall establish, keep and maintain an Appliance Energy Efficiency Register.

(2) The Appliance Energy Efficiency Register shall contain the information specified in subregulation (5) of regulation 13.

Application for registration

13. (1) A person who

- (a) manufactures an electric kettle in the country; or
- (b) imports an electric kettle into the country

for use in the country shall, prior to the manufacture or importation, ensure that each model of the electric kettle is registered with the Commission.

(2) A person who

- (a) manufactures an electric kettle in the country; or
- (b) imports an electric kettle into the country

for use in the country shall apply to the Commission for registration of the electric kettle.

(3) An application for registration under subregulation (2) shall be made in writing or electronically on the website of the Commission and accompanied with the prescribed fee.

(4) An application for registration shall be accompanied with a test report from an accredited test laboratory that demonstrates that

- (a) the electric kettle meets the minimum energy performance standards set out in the Second Schedule; and
- (b) the test report corresponds with the energy consumption that is provided on the energy efficiency label of the electric kettle.

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

(5) The following information shall be provided for each registration of a model of an electric kettle:

- (a) the brand or trademark, if any, used in connection with a supply of the model;
- (b) the model identifier issued by the manufacturer for each model covered by the registration;
- (c) the Product Information Sheet of the model;
- (d) the date the registration takes effect;
- (e) a unique identifier for the registration issued by the Commission;
- (f) the names and contact details of the applicant and contact person in relation to the registration;
- (g) if the model is to be registered as a replacement model of an earlier registered model, that fact and details to identify the replaced model, including the date the replacement was made;
- (h) if a model to be registered is affected by a replacement, that fact and details to identify the replaced model and replacement model, including the date the replacement was made;
- (i) any information specified in these Regulations in relation to that model of electric kettle; and
- (j) any other information the Commission may consider appropriate.

Consideration of application

14. (1) The Commission shall, on receipt of an application for registration of an electric kettle, consider the application.

(2) The Commission shall, in considering the application, have regard to the requirements specified in subregulation (5) of regulation 13.

Grant of application

15. (1) The Commission may, within fourteen days after receipt of an application, grant or refuse an application.

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

(2) Where the Commission decides to grant an application, the Commission shall

(a) within three days after the date of the decision, inform the applicant, in writing or electronically as the case may be, of the decision; and

(b) enter the information specified in subregulation (5) of regulation 13 in the Appliance Energy Efficiency Register.

(3) Where the Commission refuses to grant an application, the Commission shall within three days after the date of the decision communicate to the applicant, in writing or electronically as the case may be,

(a) the reason for the refusal; and

(b) the applicable Standards the model of the electric kettle is required to meet.

Duties of Dealers and Suppliers of Electric Kettles

Duty of dealer to keep, maintain and provide technical documentation

16. (1) A dealer shall keep and maintain technical documentation in respect of an electric kettle for a period of not less than two years after the date of manufacture or importation.

(2) A dealer shall, within two days after a request by an enforcement authority, provide the enforcement authority with technical documentation in respect of an electric kettle for inspection.

(3) Where a dealer fails to provide technical documentation in respect of an electric kettle within two days after the request, the enforcement authority shall detain the electric kettle.

(4) A dealer shall ensure that

(a) each electric kettle, at the point of sale, including at trade fairs, bears the label provided by a supplier in accordance with regulation 3, with the label being displayed conspicuously on the face of the electric kettle;

(b) in the event of distance selling, the label and Product Information Sheet are provided in accordance with the Third and Fourth Schedules;

13
L.I. 2401

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

- (c) an audio advertisement, including radio and local information broadcast network, on a specific model of an electric kettle where the brand, capacity, size, category or price is mentioned, includes a comparison of the power efficiency of the model of the electric kettle to the specified minimum energy performance standard in accordance with Part Five of the Fourth Schedule;
- (d) a visual advertisement for a specific model of electric kettle, including an advertisement on the internet, contains information on the power efficiency, and the minimum energy performance standard of the electric kettle available on the label in accordance with Part Five of the Fourth Schedule; and
- (e) a technical promotional material concerning a specific model of electric kettle, including technical promotional material on the internet, which describes the specific technical parameters of the electric kettle includes
 - (i) the power efficiency; and
 - (ii) the minimum energy performance standard of the electric kettle available on the labelin accordance with Part Five of the Fourth Schedule.

Duty of supplier to keep, maintain and provide technical documentation

17. (1) A supplier shall keep and maintain technical documentation in respect of each model of an electric kettle for a period of not less than two years after the date of manufacture or importation.

(2) A supplier shall, on request by an enforcement authority, provide the enforcement authority with the technical documentation of the electric kettle for inspection.

(3) Where a supplier fails to provide technical documentation in respect of an electric kettle within two days after the request, the enforcement authority shall detain the electric kettle.

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

Duty of supplier to keep, maintain and provide Product Information Sheet

18. (1) A supplier shall keep and maintain in the possession of the supplier a Product Information Sheet in respect of each electric kettle in the form set out in Part One of the Fourth Schedule.

(2) A supplier shall, on request by an enforcement authority, provide that enforcement authority with a Product Information Sheet which shall be in the

- (a) English language; and
- (b) form set out in Part One of the Fourth Schedule.

Duty of supplier to provide information for statistical purposes

19. (1) A person who manufactures in the country, imports into the country or exports out of the country an electric kettle or an assembly of components that incorporates an electric kettle, shall provide the Commission with the following information not later than four months after the end of each year:

- (a) the number of electric kettles of each model that the person manufactured, exported or imported into the country in the relevant year;
- (b) the number of electric kettles of each model that the person sold in the country in the relevant year;
- (c) the number of electric kettles of each model that the person exported from the country in the relevant year; and
- (d) the name of each model that the person discontinued
 - (i) manufacturing in the relevant year;
 - (ii) exporting in the relevant year; or
 - (iii) importing in the relevant year; and
- (e) a copy of any existing test report, or other energy performance data specified by the Commission, for each model specified under paragraph (d).

(2) Upon a written request by the Commission, a person who manufactures an electric kettle for use in the country or imports an electric

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

kettle into the country shall provide the following information to the Commission not later than forty days after receiving the request:

- (a) the number of electric kettles in each product class specified by the Commission that the person sold to a purchaser in the country in each of the preceding three years; and
- (b) the energy performance characteristics of the electric kettles as specified in the request.

Duty of supplier to ensure accuracy of information

20. (1) A supplier shall ensure that the information indicated on a

- (a) Product Information Sheet; or
- (b) label

in respect of an electric kettle is accurate.

(2) The duty imposed on a supplier under subregulation (1) does not affect any other right of action which a person may have by law against a person with respect to the inaccuracy of information on a Product Information Sheet or on a label.

Access to information on technical documentation and Product Information Sheet

21. (1) The information required under regulations 10, 11, 16, 17 and 18 shall be obtained in accordance with the test procedures required by the Standards.

(2) Information obtained in a manner other than in accordance with subregulation (1) shall, for the purposes of these Regulations, be invalid.

Product brochure in respect of electric kettle

22. Where a supplier provides a product brochure in respect of an electric kettle, the brochure shall contain a Product Information Sheet which shall be in the

- (a) English language; and
- (b) form set out in Part One of the Fourth Schedule.

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

Information

Public information

23. (1) The information provided by a supplier on the Product Information Sheet or on a label of an electric kettle is deemed public information.

(2) A supplier is deemed to have consented to the publication of the information indicated on a Product Information Sheet or label in respect of an electric kettle.

Information in respect of mail order and other distance selling

24. (1) Where a person offers an electric kettle for sale to another person in the country through a medium of communication including a mail order or any other distance selling medium, that person shall provide information in respect of the electric kettle.

(2) The information referred to in subregulation (1) shall

- (a) be in the English language,
- (b) include the product registration number assigned by the Commission upon registration in the Appliance Energy Efficiency Register;
- (c) include the information set out in Part Four of the Fourth Schedule; and
- (d) be written in a manner that is legible.

Obligations of audio or audio-visual broadcasting service provider

25. Where an audio or audio-visual broadcasting service provider advertises an electric kettle, and the information in the advertisement includes the brand, model, size, price and any other information that is specific to a particular model, that service provider shall ensure that

- (a) the advertisement has been vetted and approved by the Commission; and
- (b) the advertisement includes
 - (i) information on the energy performance standard of the electric kettle;
 - (ii) a statement that the advertisement has been vetted and approved by the Commission; and

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

- (iii) any other information required under Part Five of the Fourth Schedule.

Obligations of e-commerce platform

26. (1) A person shall not offer for sale, sell, supply, distribute or otherwise dispose of an electric kettle through a promotion on the internet, unless

- (a) the minimum energy performance of the electric kettle is posted next to the price of the electric kettle; and
- (b) the label of the electric kettle is made available to consumers in the same medium of communication.

(2) Where an e-commerce service provider allows the direct sale of an electric kettle through the website of the service provider, the service provider shall

- (a) enable the display of the
 - (i) electronic label; and
 - (ii) electronic Product Information Sheet provided by the dealer on the display mechanism in accordance with Part Six of the Fourth Schedule; and
- (b) inform the dealer of the obligation to display the electronic label and electronic Product Information Sheet.

Misleading information

27. (1) A person shall not display a label, mark, symbol or inscription which relates to the energy consumption of an electric kettle, if the display is likely to be

- (a) deceptive;
- (b) misleading; or
- (c) false.

(2) A person shall not broadcast an advertisement relating to the energy performance of an electric kettle if the information in the advertisement is likely to be

- (a) deceptive;
- (b) misleading; or
- (c) false.

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

(3) Subregulations (1) and (2) do not apply to

- (a) a label;
- (b) a mark;
- (c) a symbol; or
- (d) an inscription

displayed under an environmental labelling scheme or endorsement labelling scheme.

Restriction on disclosure of information

28. (1) An enforcement authority shall not disclose any information which consists of a

- (a) secret manufacturing process; or
- (b) trade secret

that was obtained by that enforcement authority in the course of the exercise of a power or duty conferred on the enforcement authority by these Regulations.

(2) Despite subregulation (1), an enforcement authority may disclose information if

- (a) the information is public information; or
- (b) the disclosure is made
 - (i) for the purpose of facilitating the exercise of power by an enforcement authority under these Regulations or any other enactment;
 - (ii) in connection with the investigation of an offence; or
 - (iii) for the purpose of a civil or criminal proceeding.

Powers of Enforcement

Power of enforcement authority to require technical documentation

29. Where an enforcement authority suspects that the information given

- (a) in a Product Information Sheet; or
- (b) on a label,

in respect of an electric kettle is incorrect, that enforcement authority may, by notice served on the supplier or importer of the electric kettle,

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

require the supplier or importer to furnish the enforcement authority with the technical documentation referred to in regulation 10 within the period stipulated in the notice.

Power of enforcement authority to inspect electric kettle

30. An enforcement authority may, at any reasonable time, enter any premises to inspect an electric kettle if the enforcement authority has reason to believe that the premises are being used for a purpose in contravention of these Regulations.

Power of enforcement authority to detain or seize record or electric kettle

31. (1) Subject to these Regulations, where an enforcement authority has reasonable cause to suspect that an offence has been committed or is being committed, that enforcement authority may

- (a) at any reasonable time enter premises other than a dwelling place, and conduct an inspection in accordance with subsection (3) of section 52 of the Act;
- (b) require a person engaged in a business or employed in connection with a business to produce a record in respect of an electric kettle;
- (c) detain or seize an electric kettle that is
 - (i) not labelled;
 - (ii) not properly labelled; or
 - (iii) labelled in a deceptive or misleading manner;
- (d) detain or seize an electric kettle that is imported without technical documentation which justifies the label affixed on the electric kettle;
- (e) detain or seize an electric kettle to enable tests to be carried out;
- (f) detain or seize a record to be used as evidence in proceedings in respect of an offence under these Regulations;
- (g) cause a container to be opened for the purpose of inspection;
- (h) break open a container, where implementation of paragraph (g) is not practicable; or

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

(i) detain or seize an electric kettle if the model is not registered in the Appliance Energy Efficiency Register.

(2) For the purposes of paragraphs (b) and (f) of subregulation (1), the enforcement authority may request for information stored electronically to be made available to the enforcement authority in printed form.

Power of enforcement authority to test electric kettle

32. (1) An enforcement authority may

(a) obtain, remove and test an electric kettle; or

(b) order the testing of an electric kettle

to ascertain whether a provision of these Regulations has been contravened.

(2) A person who suspects that an electric kettle offered for sale does not comply with the provisions of these Regulations may lodge a complaint with an enforcement authority.

(3) The enforcement authority may, upon receipt of a complaint under subregulation (2), detain and test the electric kettle.

(4) The test to be conducted in respect of an electric kettle purchased, obtained or detained under regulation 31 shall be carried out in accordance with the test procedures required by the Standards.

Detention, Re-Exportation and Seizure

Procedure for market surveillance and verification

33. (1) Despite regulation 32, the Commission and the Standards Authority shall conduct market surveillance to ascertain whether an electric kettle on the market conforms to these Regulations.

(2) The Commission and the Standards Authority shall apply the verification procedure specified in the Fifth Schedule to conduct the market surveillance.

Order to access premises to inspect, detain or seize electric kettle or record

34. Where

(a) an enforcement authority is refused entry to premises;

(b) a notification to enter premises would defeat the purpose of the entry;

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

- (c) the premises to be entered are unoccupied; or
- (d) the occupier of premises to be entered is temporarily absent,

the enforcement authority may apply to a court for an order to enter the premises to inspect, detain or seize an electric kettle or record, if the enforcement authority has reasonable grounds to believe that an electric kettle or record on the premises may assist in the disclosure of evidence of the commission of an offence under these Regulations.

Procedure for detention of electric kettle

35. (1) An enforcement authority that exercises a power of detention under these Regulations shall immediately give a written notice to the person against whom the power has been exercised.

(2) The written notice under subregulation (1) shall state

- (a) the electric kettle that has been detained; and
- (b) the reason for the detention.

(3) Where an enforcement authority detains an electric kettle, that electric kettle may be kept in a warehouse or other secure location reserved for the purpose.

Procedure for re-labelling of detained electric kettle

36. (1) Subject to these Regulations, where an enforcement authority detains an electric kettle under paragraph (e) of subregulation (1) of regulation 31, the enforcement authority shall

- (a) within two days after the detention, submit a sample of the electric kettle for testing; and
- (b) within two days after receipt of the test results, give a notice in writing to the supplier of the electric kettle to properly label the electric kettle if the minimum energy performance standards have been complied with.

(2) The notice under paragraph (b) of subregulation (1) shall require an electric kettle to be re-labelled in the required manner or exported out of the country within twenty-eight days.

(3) Where a supplier is required under subregulation (2), to re-label an electric kettle, the supplier shall re-label the electric kettle under the supervision of an officer authorised for the purpose by the Commission or the Standards Authority.

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

- (4) Where a supplier fails to
- (a) re-label the electric kettle; or
 - (b) export the electric kettle

within twenty-eight days after the notice given under paragraph (b) of subregulation (1), the Commission shall, in consultation with the Standards Authority, destroy the electric kettle in a manner that the Commission may determine.

Procedure for re-exportation of imported electric kettle

37. (1) An enforcement authority that exercises a power of detention or seizure under these Regulations shall, within seven days after the detention or seizure, give an order in writing to the person against whom the power has been exercised to re-export the electric kettle.

- (2) The order referred to in subregulation (1) shall state
- (a) the electric kettle to be re-exported;
 - (b) the reason for the order;
 - (c) the period within which the electric kettle is to be re-exported; and
 - (d) the fact that the supplier shall be responsible for the cost associated with the re-export.

(3) Where an electric kettle is kept within premises that are under the control of the owner of the electric kettle, the owner shall pay a security deposit against any breach of the re-exportation order.

(4) A security deposit under subregulation (3) shall be forfeited in the event of a breach of the re-exportation order, including the sale or destruction of an electric kettle which has been ordered to be re-exported.

(5) Where a person fails to pay a security deposit imposed under subregulation (3), the Commission may recover the amount imposed as a civil debt.

Procedure for seizure of electric kettle

38. (1) An enforcement authority that exercises a power of seizure under these Regulations shall, within seven days after the seizure, give a written notice to the person against whom the power has been exercised.

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

- (2) The written notice under subregulation (1) shall state
- (a) the electric kettle that has been seized;
 - (b) the reason for the seizure; and
 - (c) the venue and the period within which a petition against the seizure may be brought under regulation 39.
- (3) Where an enforcement authority seizes an electric kettle, that electric kettle may be kept in a warehouse or other secure location reserved for the purpose.
- (4) The owner of the electric kettle may be required to pay a deposit to cover the cost of destruction if the electric kettle does not meet the minimum energy performance standards.
- (5) Where an electric kettle is kept within premises that are under the control of the owner of the electric kettle, the owner shall pay a security deposit against any breach of the seizure order.
- (6) A security deposit under subregulation (5) shall be forfeited in the event of a breach of the seizure order, including the sale or destruction of an electric kettle which has been seized.
- (7) Where a person fails to pay a security deposit imposed under subregulation (5), the Commission may recover the amount imposed as a civil debt.

Petition and Compensation

Petition against seizure

- 39.** (1) Subject to these Regulations, a person whose electric kettle is seized may, within seven days after receipt of the written notice specified in subregulation (1) of regulation 38, petition the Executive Secretary for the release of the seized electric kettle.
- (2) The Executive Secretary shall, within seven days after the receipt of a petition under subregulation (1),
- (a) confirm the seizure; or
 - (b) order the release of the seized electric kettle to the petitioner on a specific day.

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

(3) A person who is dissatisfied with a decision of the Executive Secretary under subregulation (2) may appeal to the Board within seven days after the receipt of the decision.

(4) The Board shall within thirty days after the receipt of an appeal under subregulation (3)

(a) consult the Standards Authority; and

(b) take a decision on the appeal.

(5) The Board may release the seized electric kettle to the petitioner only if the Commission and the Standards Authority fail to prove that an offence under these Regulations has been committed.

(6) A person who is dissatisfied with

(a) a decision of the Board under subregulation (4) may, within fourteen days after the decision; or

(b) the failure of the Board to make a decision within thirty days after receipt of the appeal may, within fourteen days after the failure

apply to the court.

Forfeiture and destruction of seized electric kettle

40. (1) Where an appeal to the Board under subregulation (3) of regulation 39 is not successful, the enforcement authority shall, within twenty-eight days after the decision of the Board, notify the owner of the electric kettle of the forfeiture and date of destruction of the seized electric kettle.

(2) The Commission may, in consultation with the Standards Authority, destroy a forfeited electric kettle in a manner that the Commission may determine.

(3) Where under subregulation (6) of regulation 39, the court upholds or affirms the decision of the Board to forfeit and destroy the electric kettle, the Commission shall destroy the electric kettle within the period given by the court.

Compensation for loss of electric kettle or record seized

41. (1) Where an enforcement authority exercises power under these Regulations to seize an electric kettle or record, that enforcement authority

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

is liable to pay compensation to the owner of the electric kettle or record for a loss or damage caused by the exercise of the power, if

- (a) these Regulations have not been contravened in relation to the electric kettle or record; and
- (b) the loss or damage is not attributable to the neglect or the fault of the owner but an official of the Commission.

(2) Paragraph (b) of subregulation (1) does not apply in a case of *force majeure*.

(3) The compensation payable under subregulation (1) for a loss or damage shall not exceed the value of the electric kettle or record.

(4) A dispute as to the

- (a) right to compensation; or
- (b) amount of compensation payable to a person under subregulation (1),

shall be determined in the first instance by arbitration in accordance with the Alternative Dispute Resolution Act, 2010 (Act 798).

Recovery of expenses by enforcement authority

42. (1) Where an enforcement authority

- (a) seizes;
- (b) tests; or
- (c) supervises the labelling or destruction of

an electric kettle, that enforcement authority may surcharge the dealer or supplier of the electric kettle for the expenses incurred for the seizure, testing or supervision.

(2) Despite subregulation (1), where a court convicts a person of an offence in respect of the contravention of a provision of these Regulations, the court may, in addition to any order that the court may make as to costs and expenses, order the person convicted to reimburse the enforcement authority for the expenditure incurred by the enforcement authority in connection with the seizure.

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

Miscellaneous Provisions

Offences and penalties

43. (1) A person who
- (a) manufactures, imports, offers for sale, sells, stores, advertises, distributes, or otherwise disposes of an electric kettle that
 - (i) does not meet a requirement in respect of the minimum energy performance standards contrary to regulation 3;
 - (ii) is not accompanied by the required technical documentation contrary to regulation 10;
 - (iii) is not labelled or properly labelled contrary to regulation 11; or
 - (iv) is labelled in a deceptive or misleading manner contrary to regulation 27;
 - (b) uses a circumvention device contrary to regulation 9;
 - (c) fails to comply with a labelling requirement contrary to regulation 11;
 - (d) fails to provide technical documentation, contrary to regulation 10, 16 or 17;
 - (e) fails to register a model of an electric kettle contrary to regulation 13;
 - (f) fails to provide a Product Information Sheet contrary to regulation 18;
 - (g) fails to provide information on an electric kettle contrary to regulation 19;
 - (h) provides inaccurate information, contrary to regulation 20;
 - (i) advertises an electric kettle without providing accurate information on the energy performance standard of the electric kettle contrary to regulation 25;
 - (j) offers for sale or sells an electric kettle over the internet or other distance selling medium without providing the information required contrary to regulation 24 or 26;
 - (k) provides misleading information contrary to regulation 27;

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

- (l) obstructs or interferes with an enforcement authority in the exercise of the powers of that enforcement authority contrary to regulation 31;
- (m) fails to comply with the requirements for re-labelling contrary to regulation 36; or
- (n) violates a seizure order or notice contrary to regulation 38

commits an offence and is liable on summary conviction to a fine of not less than one hundred and twenty-five penalty units and not more than two hundred and fifty penalty units or to a term of imprisonment of not less than six months and not more than twelve months or to both.

(2) A person who commits a second or subsequent offence under subregulation (1) after an earlier conviction under subregulation (1) is liable on summary conviction to a fine of not less than two hundred and fifty penalty units and not more than five hundred penalty units or to a term of imprisonment of not less than twelve months and not more than twenty-four months or to both.

(3) Where an offence under these Regulations is committed by a body corporate or by a member of a partnership or other firm, every director or officer of that body corporate or any member of the partnership or any other person concerned with the management of the firm shall be deemed to have committed that offence and is liable, on summary conviction, to a fine of not less than five hundred penalty units and not more than one thousand penalty units, and is in addition liable to the payment of compensation for the damage resulting from the breach.

(4) A person shall not be convicted of an offence under subregulation (3), if it is proved that

- (a) the person exercised due diligence to secure compliance with the provisions of these Regulations; and
- (b) the offence was committed without the knowledge, consent or connivance of that person.

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

Interpretation

44. In these Regulations, unless the context otherwise requires,

“accredited test laboratory” means a test laboratory that is recognised by the Standards Authority for laboratory testing and product certification;

“annual total energy consumption” means the electricity consumed by a product over specified periods of time across defined power modes and states;

“Appliance Energy Efficiency Register” means an official record, kept and maintained by the Commission on energy efficiency information in respect of models of electrical appliances that have been certified by the Commission and the Standards Authority for use in Ghana;

“audio or audio-visual broadcasting service provider” means a person who provides a service which delivers radio programmes or programmes with hearing and sight components to persons with equipment appropriate for receiving that service, whether the delivery is effected by means of or uses the radio frequency spectrum, cable, optical fibre, satellite, internet radio via streaming media on the internet, or any other means or a combination of those means intended to reach a wide audience;

“circumvention device” means any control, control device, software, component or part that alters the operating characteristics of an electric kettle during any test procedure, resulting in measurements that are unrepresentative of the true characteristics of the electric kettle that may occur during normal use under comparable conditions;

“container” means a receptacle or enclosure for holding a product for storage, packaging and shipping;

“court” means a court of competent jurisdiction;

“dealer” means a retailer or other person who displays, offers for sale or sells an electric kettle to an end user;

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

- “distance selling” means the sale of goods or services without the buyer and seller being physically present simultaneously;
- “dwelling place” means place of residence;
- “electric kettle” means an electrical appliance, that has a self-contained heating unit, for heating water, and automatically switches off when the water reaches boiling point or at a preset temperature below 100 °C;
- “electric mains-operated electric kettle” means an electric kettle that operates on electricity supply from the grid of 230 ($\pm 10\%$) volts of alternating current at 50 Hz;
- “electronic Product Information Sheet” means a document containing the following information in electronic format:
- (a) basic product information;
 - (b) energy label information; and
 - (c) special features and characteristics;
- “end user” means the first user of an electric kettle;
- “endorsement labelling scheme” includes a voluntary labelling scheme that guarantees the performance standards of the electric kettle that are equal to or exceed the minimum threshold established by a recognised advisory body;
- “enforcement authority” means
- (a) an authorised officer of the Commission;
 - (b) an authorised officer of the Standards Authority;
 - (c) an authorised officer of the Customs Division of the Ghana Revenue Authority;
 - (d) an authorised officer of the Police Service; or
 - (e) any other authorised person designated by the Customs Division of the Ghana Revenue Authority, the Commission or the Standards Authority to carry out inspections for the purposes of these Regulations;
- “environmental labelling scheme” means a voluntary labelling scheme that provides detailed information on the environment in respect of the performance characteristics of an electric kettle;

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

- “equivalent model” means a model which has the same technical characteristics relevant for the technical information to be provided, but which is placed on the market or put into service by the same manufacturer, importer or authorised representative as another model with a different model identifier;
- “external power supply” means a power supply circuit that is designed to convert alternating current (AC) power input from the main power source input into a lower voltage direct current (DC) or AC output intended to be used to operate a consumer product;
- “GS” means Ghana Standards;
- “importer” means a person who places an electric kettle from a foreign country on the Ghanaian market and supplies that electric kettle for use;
- “label” means a material attached to an electric kettle the inscription of which contains information on the energy consumption of the electric kettle;
- “minimum energy performance standards” mean a set of procedures and regulations that prescribe the minimum allowable values of energy efficiency or energy performance of manufactured products;
- “model identifier” means the code, usually alphanumeric, which distinguishes a specific product model from other models with the same trademark or the same name of the manufacturer, importer or authorised representative;
- “point of sale” means the place at which a retail transaction is carried out;
- “power efficiency of a kettle” means the ratio of the effective output energy to the input electrical energy of the kettle measured in percentages in accordance with standard test methods and procedures set out in the Standards of the First Schedule;

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

- “premises” means land and any building, store, shop, apartment, or other structure on the land used for the storage of an electric kettle;
- “product brochure” includes a pamphlet or booklet that contains introductory information about a product;
- “Product Information Sheet” means a standard table of information related to an electric kettle;
- “Quick Response Code” means a matrix barcode included on the energy label of a product model that links to the information of the model in the public part of the product database;
- “rated voltage” means the voltage marked on an electric kettle in volts;
- “rating plate” means a name plate that indicates the measurable performance capability of an electric kettle;
- “record” includes a book, document, label, mark, symbol, inscription or information in electronic form;
- “sale” means the exchange of the product for consideration including hire purchase, credit sale and purchase by instalment;
- “Standards” means quality specifications for electric kettles as stipulated in the First Schedule;
- “Standards Authority” means the Standards Authority established under the Standards Authority Act, 1973 (N.R.C.D. 173);
- “supplier” means a person or organisation that provides a product including
- (a) a manufacturer or the authorised representative of a manufacturer resident in the country; and
 - (b) an importer or the person who introduces an electric kettle on the Ghanaian market;
- “supply” includes an offer to supply, contract to supply and advertisement for supply of an electric kettle but excludes the exhibition at a trade fair of an electric kettle that is prohibited by these Regulations;

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

“trade secret” means a secret device or technique used by a company in manufacturing the products of the company;
“wattage” means the power marked on an electric kettle, in watts (W); and
“year” means the period from 1st January to 31st December.

Transitional provision

45. A person who, before the coming into force of these Regulations, has

- (a) manufactured in the country; or
- (b) imported into the country

an electric kettle that does not comply with these Regulations, shall, within one year after the coming into force of these Regulations, sell, distribute, donate or otherwise dispose of that electric kettle.

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

SCHEDULES

FIRST SCHEDULE

STANDARDS

(regulations 1(a)(i), 3(1)(b)(i) and 44)

1. GS IEC 60530: 1975 Methods for measuring the performance of electric kettles and jugs for household and similar use.
2. GS IEC 60530 AMD 1: 1992 Methods for measuring the performance of electric kettles and jugs for household and similar use.
3. GS IEC 60530 AMD 2: 2004 Methods for measuring the performance of electric kettles and jugs for household and similar use.
4. GS IEC 60730-1: 2018 Automatic electrical controls– Safety – Part 1: General requirements for temperature sensing control.
5. GS IEC 60730-2-9:2010 Automatic electrical controls– Safety – Part 2-9: Particular requirements for temperature sensing control.
6. GS IEC 60335-1:2010 Household and similar electrical appliances –Safety- Part 1: General requirements.
7. GS IEC 60335-2-15 Household and similar electrical appliances – Safety- Part 2-15: Particular requirements for appliances for heating liquids.

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

SECOND SCHEDULE

(regulations 1(a)(i), 1(b), 3(1)(b)(ii), 4(1)(a) and (b)(i), 6, 11(2) and 13(4)(a))

MINIMUM ENERGY PERFORMANCE STANDARDS

PART ONE

(regulations 1(a)(i), 1(b), 3(1)(b)(ii), 4(1)(a), and 6)

1. EFFICIENCY SPECIFICATIONS

- (a) The energy efficiency performance of an electric kettle under these Regulations is determined by taking into consideration two different modes of electricity consumption of the electric kettles with water capacity of up to 2.5 liters as follows:
- (i) Water heating mode: The period during which the water in the electric kettle is heated up to boiling point temperature; and
 - (ii) Automatic shut-off control (if provided): process of automatic switch-off of electric kettle as water reaches boiling point (if applicable).
- (b) The energy efficiency performance of an electric kettle during the water heating mode under these Regulations is determined on the basis of its power efficiency defined as the ratio of the effective output energy to the input electrical energy of the kettle measured in percentages (%) in accordance with standard test methods and procedures set out in the standards of the First Schedule. The energy performance of the electric kettle in the water heating mode shall be in accordance with specification of minimum energy performance standard based on a minimum level of power efficiency for the electric kettle.

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

- (c) The energy efficiency performance of the electric kettle in the automatic shut-off mode under these Regulations shall be determined on the basis of minimum energy performance standard specifications:
 - (i) a minimum level of power consumption measured in Watt (W) in the auto shut-off mode; and
 - (ii) a minimum time period (in seconds) within which an electric kettle shall shut-off automatically after attaining the boiling temperature of 100°C at normal pressure test conditions.

2. MINIMUM ENERGY PERFORMANCE STANDARDS FOR ELECTRIC KETTLE

(a) Water heating mode (MEPS-1)

An electric kettle operating in the water heating mode under these Regulations shall attain a minimum power efficiency of ninety per cent as the minimum energy performance standard measured in accordance with test methods, procedures and standard test conditions set out in the standards provided in the First Schedule.

(b) Auto shut-off mode

- (i) Power consumption (MEPS-2) of the electric kettle in the auto shut-off mode shall not exceed 1.60 watts (MEPS-2); and
- (ii) The time period allowed for an electric kettle equipped with an auto shut-off device to operate shall not exceed fifteen seconds (MEPS-3) after the water in the kettle has reached a boiling point temperature of 100°C under normal pressure conditions.

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

PART TWO

(regulation 11(2))

1. Measurements

(1) For the purpose of compliance with the requirements of these Regulations, measurements of technical parameters shall be made using a reliable, accurate and reproducible measurement procedures, which take into account the generally recognised state of the art measurement methods, including test methods and test conditions set out in the standards provided in the First Schedule.

(2) Measurements and calculations of the following technical parameters are required for the determination of power efficiency and auto power-off control power consumption of the electric kettle and shall be undertaken at rated input power in accordance with test methods, procedures and test conditions specified in the Standards in the First Schedule:

- (a) rated water capacity of the electric kettle in litres, rounded to one decimal place;
- (b) time taken to boil water capacity (or one litre of water for kettles with more than 1litre water capacity);
- (c) power efficiency, η , in per cent (%) rounded to one decimal place;
- (d) auto shut-off control power consumption rating in watts (W), rounded to one decimal place; and
- (e) time taken for auto shut-off after water has reached boiling temperature.

2. Tolerances

(1) There shall be zero negative tolerance on rated (water) capacity of the kettle and the measured capacity shall not be less than the rated capacity.

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

(2) The power input shall be within +5% to -10% of the rated power capacity of the electric kettle.

3. Calculations

(1) The heat efficiency, η_{pe} , of electric kettles is calculated according to the following formula:

$$\eta_{pe} = \frac{M_w \times C_{pw} \times (T_f - T_i)}{3600 \times E} \times 100$$

Where

η_{pe} : is the power efficiency calculated and rounded to one decimal place

M_w : mass of water measured for test procedure, in kg, rounded to 0.1kg

C_{pw} : specific heat capacity of water in kJ/kg-Kelvin, rounded to 3 decimal places

T_f : final water temperature, in Kelvin (K)

T_i : initial water temperature, in Kelvin (K)

E : is energy consumption in kilowatt-hour (kWh), in raising the water Temperature from initial temperature to final temperature, rounded to 2 decimal places

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

(2) The value for E (in kWh) can be estimated using the following formula:

$$E = \frac{P \times t}{3600}$$

Where

P : is the rated input power in kilowatt (kW)

T : is the measured time taken to heat the water mass from initial temperature to final temperature, rounded to nearest 10s.

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

THIRD SCHEDULE

THE LABEL

(regulations 3(1)(b)(iii), 11(1)(a)(i), 11(1)(d)(i), 16(4)(b))

ENERGY <i>guide</i>	
MEPS FOR ELECTRIC KETTLE (Power Efficiency)	
$\eta_{pe} \geq 83 \%$	
Type of Electric Kettle :	xxxx
Model/Year of Manufacture:	xx/yy
Trademark :	xxxx
Rated Capacity (Volume):	xxx, L
Rated Voltage :	xxx, V
Rated Input Power :	xxx, W
Rated Standby Mode Power:	xxx, W
Country of Origin :	Abc
Power Efficiency (η_{pe}) of this model is: XX %	
<ol style="list-style-type: none"> 1. When tested in accordance with GSIEC 60530, 60730 and GSIEC 60335, efficiency will depend on how the appliance is used. 2. Further information is contained in the Product Information Sheet. 3. Removal of the label before first Purchase is an offence under the Law. 	

Figure 1: Label for Electric Kettle

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

1. Notes to Label for Electric Kettle

The following information shall be included in the label:

- (i) Quick Response Code;
- (ii) type of electric kettle in accordance with Part Two of the Fourth Schedule;
- (iii) model or date of manufacture;
- (iv) name or trade mark of the supplier;
- (v) model identifier of the supplier;
- (vi) minimum energy performance standard for electric kettle in water heating mode determined in accordance with Part One of the Second Schedule;
- (vii) rated power efficiency of the model (marked "%"), rounded to one decimal place;
- (viii) rated water capacity of electric kettle, (marked "litres"), rounded to the nearest integer;
- (ix) rated input power (marked "W");
- (x) rated voltage (marked "volts");
- (xi) rated power consumption of auto shut-off control (if applicable) (marked W);
- (xii) rated auto shut-off time for the kettle model; and
- (xiii) country of origin.

2. Printing

- (1) The label shall be placed on the container or packaging.
- (2) The dimensions of the labels shall be in accordance with the illustration in Figure 2.

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

- (3) Colours are to be used on the label in accordance with the following:
- (a) all text shall be in black or gold as illustrated;
 - (b) the background shall be gold; and
 - (c) border line shall be in black.

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

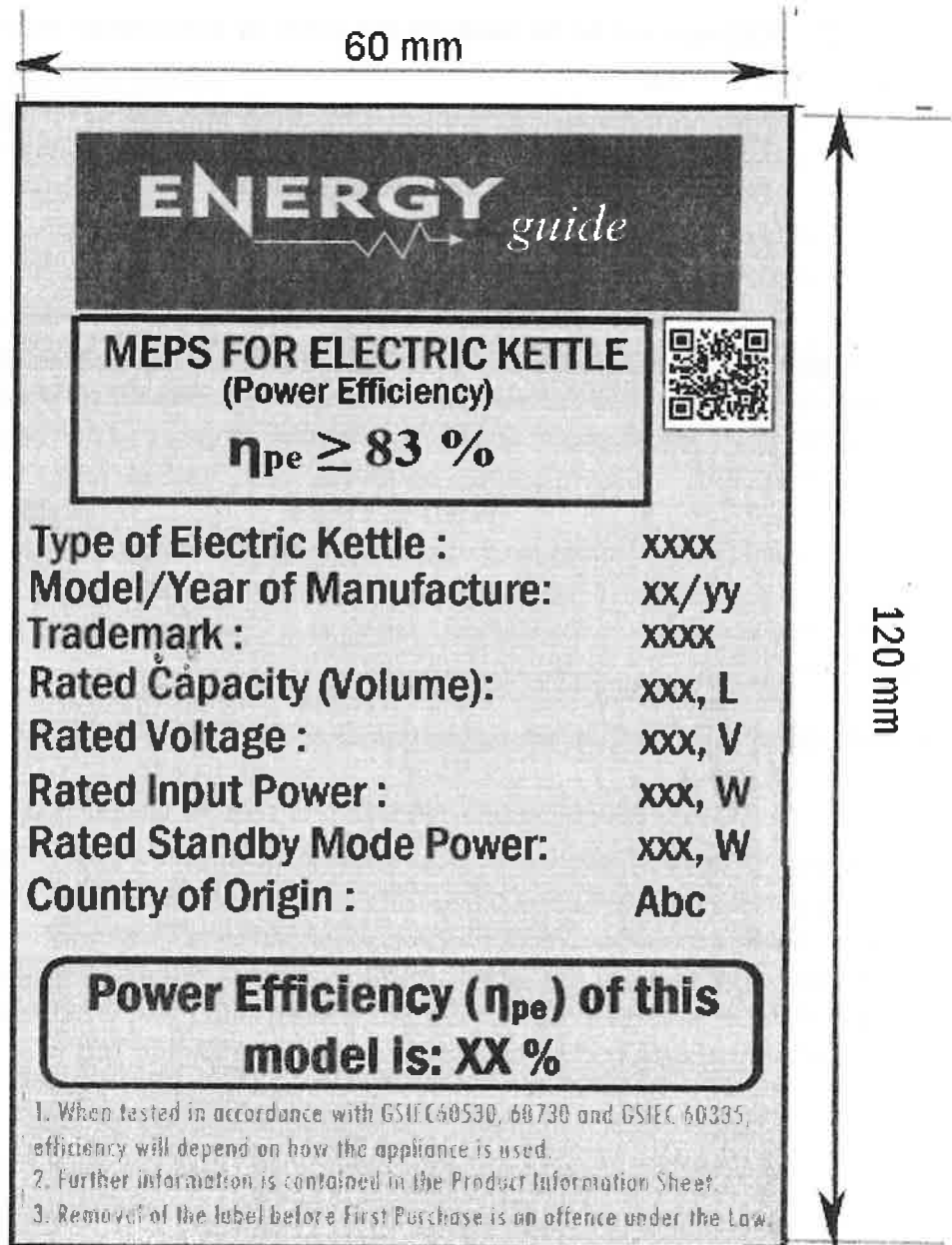


Figure 2: Dimensions of Electric Kettle Label

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

FOURTH SCHEDULE

PRODUCT INFORMATION SHEET

(regulations 3(1)(b)(iv), 3(2), 5, 10(2)(b) and (c), 11(1)(c), 16(4)(b), (c), (d) and (e), 18(1) and (2)(b), 22(b), 24(2)(c), 25(b)(iii), 26(2)(a))

PART ONE

(regulations 10(2)(b), 11(1)(c), 18(1) and (2)(b), 22(b))

The Product Information Sheet shall contain the technical and other information specified below. The information may be given in the form of a table covering a number of and types of electric kettles supplied by the same supplier, in which case it shall be given in the order specified, or in the description of the kettle.

- (a) name or trade mark of supplier;
- (b) model identifier of supplier;
- (c) description of the type of electric kettle as specified in Part Two of this Schedule;
- (d) Rated Power efficiency (MEPS-1) of the model in percentage rounded to the nearest integer as determined in the Second Schedule;
- (e) rated water capacity in litres, rounded to the nearest integer;
- (f) rated power consumption (MEPS-2) for auto shut-off mode for the model, if applicable;
- (g) time taken to operate auto shut-off device (MEPS-3);
- (h) the references to the harmonised standards and other technical specifications applied, where appropriate;

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

- (i) the technical parameters, standards and test methods used for determining the heat efficiency and other ratings of the electric kettle; and
- (j) user instructions including disposal instructions.

PART TWO
(regulation 5)

Types and Categories of Electric Kettle

Table 1 shows the types and categories of electric kettles that constitute the scope of these Regulations.

Table 1: Types and Categories of Electric Kettles

Type	Category	Description in information sheet
Technology	Electric element heating	xxxxx (specify)
	Electromagnetic induction heating	xxxxx (specify)
Inner surface coating material	Metallic	
	Non-metallic	
	Other material	
Auto shut-off capability	Yes/No	
Rated power	$P \leq 800$ W	
	$800 < P \leq 1000$ W	
	$1000 < P \leq 2000$ W	

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

PART THREE
(regulation 10(2)(c))

Technical Documentation

The technical documentation referred to in regulation 10 shall include at least all the information required under Parts One and Two of this Schedule in addition to the following items:

- (a) the name and address of the supplier;
- (b) a description of the electric kettle model sufficient for unambiguous identification;
- (c) the references of the harmonised Standards applied;
- (d) where appropriate, the other technical standards and specifications used;
- (e) the identification and signature of the person empowered to bind the supplier;
- (f) the results of the measurements for the technical parameters specified in Part Two of the Second Schedule; and
- (g) any specific precautions that shall be taken when the electric kettle is assembled, connected or maintained.

PART FOUR
(regulation 24(2)(c))

Mail Order and Other Distance Selling

1. The information to be provided when the end user cannot be expected to see the product displayed shall be provided in the following order:

- (a) the power efficiency in per cent (%) of the model, rounded to the nearest integer determined in accordance with the Second Schedule;

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

- (b) the rated water capacity of the kettle in litres, rounded to the nearest integer;
 - (c) the rated power consumption for auto shut-off mode control for the model, if applicable; and
 - (d) the rated time to operate auto shut-off control for the model, if applicable; and
 - (e) the information in Parts One and Two of this Schedule.
2. The size and font in which the information referred in paragraph 1 is printed or shown shall be legible.

PART FIVE

(regulations 3(2), 16(4)(c), (d) and (e), 25(b)(iii))

Information to be provided in audio advertisements, visual advertisements, in technical promotional material, in distance selling, except distance selling on the internet

1. In an audio advertisement, for the purposes of ensuring conformity with the requirements laid down in subregulation (2) of regulation 3, the power efficiency of the model of the electric kettle being advertised on the market shall be compared with the specified minimum energy performance standards, set out in Part One of the Second Schedule and shall be stated in the advertisement.
2. In a visual advertisement, for the purposes of ensuring conformity with the requirements laid down in subregulation (2) of regulation 3, the power efficiency of the electric kettle model and the minimum energy performance standards value set out in the Second Schedule shall be made available on the label and be shown as set out in paragraph 5 of this Part.
3. In technical promotional material, for the purposes of ensuring conformity with the requirements laid down in subregulation (2)

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

of regulation 3, the power efficiency of the electric kettle model and the minimum energy performance standards value set out in the Second Schedule shall be shown as set out in paragraph 5 of this Part.

4. Any paper-based distance selling shall show the energy performance characteristics of the model and the ranges of energy performance characteristics available on the label as set out in paragraph 5 of this Part.
5. The power efficiency of the electric kettle of the model measured in accordance with standards and its minimum energy performance standards value shall be shown, as indicated in Figure 1 with:
 - (a) an arrow, containing the letter of the power efficiency in hundred per cent white, Calibri Bold and in a font size at least equivalent to that of the price, when the price is shown;
 - (b) the colour of the box shall be gold;
 - (c) the minimum energy performance standards value of the model in hundred per cent black; and
 - (d) the size shall be such that the box is clearly visible and legible.

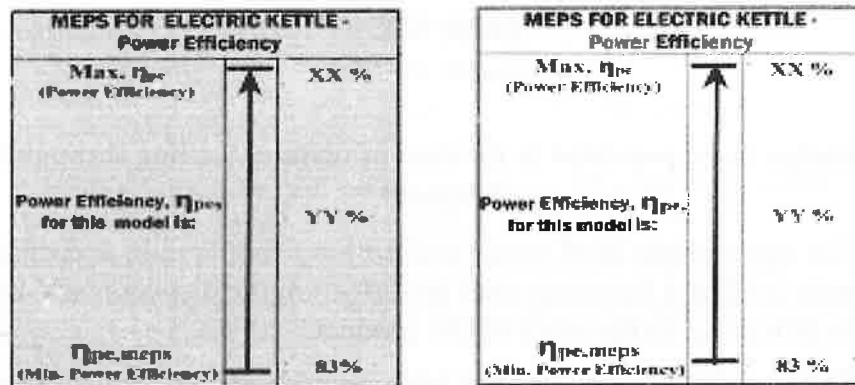


Figure 1: Coloured/monochrome MEPS indicated for Electric Kettle

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

6. By way of derogation, if the visual advertisement, technical promotional material or paper-based distance selling is printed in monochrome, the box can be in monochrome in that visual advertisement, technical promotional material or paper-based distance selling.
7. Telemarketing-based distance selling must specifically inform the customer of the power efficiency of the electric kettle measured in accordance with the standards in the First Schedule and its minimum energy performance standards value listed in Part One of the Second Schedule on the label, and that the customer can access the full label and the Product Information Sheet through a free access website, public part of the Appliance Energy Efficiency Register of the Commission or by requesting a printed copy.
8. For all the situations mentioned in paragraphs 2 to 4 and paragraph 7, it shall be possible for the customer to obtain, on request, a printed copy of the label and the Product Information Sheet.

PART SIX

(regulation 26(2)(a))

Information to be provided in the case of distance selling through the Internet

1. The appropriate label made available by suppliers in accordance with the Third Schedule shall be shown on the display mechanism in proximity to the price of the product.
2. The size shall be such that the label is clearly visible and legible and shall be proportionate to the size specified in the Third Schedule.

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

3. The label may be displayed using a nested display, in which case the image used for accessing the label shall comply with the specifications laid down in paragraph 5 of this Part.
4. If nested display is applied, the label shall appear on the first mouse click, mouse roll-over or tactile screen expansion on the image.
5. The image used for accessing the label in the case of nested display, as indicated in Figure 2, shall
 - (a) indicate the power efficiency of the electric kettle measured in accordance with the Standards of the First Schedule in the box in hundred per cent black, Calibri Bold and in a font size equivalent to that of the price; and
 - (b) have the minimum energy performance standards value in hundred per cent black.

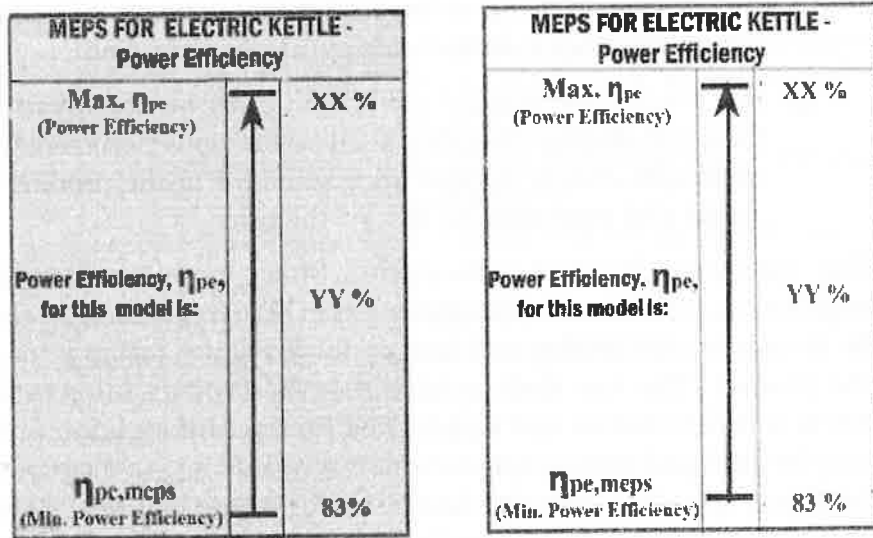


Figure 2: Coloured/monochrome MEPS indicated for Electric Kettle

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

6. In the case of a nested display, the sequence of display of the label shall be as follows:
 - (a) the image referred to in paragraph 5 of this Part shall be shown on the display mechanism in proximity to the price of the product;
 - (b) the image shall link to the label set out in the Third Schedule;
 - (c) the label shall be displayed after a mouse click, mouse roll-over or tactile screen expansion on the image;
 - (d) the label shall be displayed by pop up, new tab, new page or inset screen display;
 - (e) for magnification of the label on tactile screens, the device conventions for tactile magnification shall apply;
 - (f) the label shall cease to be displayed by means of a close option or other standard closing mechanism; and
 - (g) the alternative text for the graphic, to be displayed on failure to display the label, shall be the power efficiency or minimum energy performance standard of the product in a font size equivalent to that of the price.
7. The electronic Product Information Sheet made available by suppliers in accordance with subregulation (2) of regulation 26 shall be shown on the display mechanism in proximity to the price of the product. The size shall be such that the Product Information Sheet is clearly visible and legible. The Product Information Sheet may be displayed using a nested display or by referring to the product database, in which case the link used for accessing the Product Information Sheet shall clearly and legibly indicate 'Product Information Sheet'. If a nested display is used, the Product Information Sheet shall appear on the first mouse click, mouse roll-over or tactile screen expansion on the link.

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

FIFTH SCHEDULE

(regulation 33(2))

VERIFICATION PROCEDURE FOR MARKET SURVEILLANCE

1. The verification tolerances set out in this Schedule relate only to the verification of the declared parameters by the Commission and the Standards Authority and shall not be used by the supplier as an allowed tolerance to establish the values in the technical documentation.
2. The values and classes on the label or in the Product Information Sheet shall not be more favourable for the supplier than the values reported in the technical documentation.
3. Where a model has been designed to be able to detect that the model is being tested by recognising the test conditions or test cycle, and to react specifically by automatically altering its performance during the test with the objective of reaching a more favourable level for any of the parameters specified in these Regulations or included in the technical documentation or included in any of the documentation provided, the model and all equivalent models shall be considered not compliant.
4. When verifying the compliance of a product model with the requirements laid down in these Regulations, the Commission and the Standards Authority shall apply the following procedure:
 - (a) the Commission and the Standards Authority shall verify one single unit of the model;
 - (b) the model of the electric kettle shall be considered to comply with the provisions set out in the Second Schedule to these Regulations, as applicable, if the energy efficiency is not less than the declared value minus five per cent;

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

- (c) the model of the electric kettle, shall be considered to comply with the provisions set out in these Regulations, as applicable, if the measured value of the rated capacity or actual volume of the electric kettle is not more than two per cent lower than the rated value as declared by the supplier;
- (d) the model of the electric kettle shall be considered to comply with the provisions set out in these Regulations, as applicable, if the maximum sound power level does not exceed more than 2 dB(A) of the declared value;
- (e) if the result referred to in paragraph (b) or paragraph (c) is not achieved, the Commission and the Standards Authority shall randomly select three additional units of the same model for testing;
- (f) the model of the electric kettle shall be considered to comply with the provisions set out in the Second Schedule to these Regulations, if the average of the three units for the energy efficiency is not less than the declared value minus five per cent;
- (g) the model of the electric kettle shall be considered to comply with the provisions of these Regulations, if the average of the three units for the rated capacity (actual volume of the electric kettle) is not more than two per cent lower than the declared value;
- (h) the energy efficiency values shall be established in accordance with the Second Schedule; and
- (i) if the results referred to in paragraph (f) or paragraph (g) are not achieved, the model shall be considered not to comply with these Regulations.

ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS AND LABELLING) (ELECTRIC KETTLES) REGULATIONS, 2022

HON. DR. MATTHEW OPOKU PREMPEH
Minister responsible for Energy

Date of *Gazette* notification: 5th July, 2022.

Entry into force: 2nd November, 2022.