

Defined Electrical Products - Combined list

Regulatory Definitions for Australia

Correct as of 4 May 2022

This document combines the two sets of regulatory definitions for:

1. Electrical Equipment Safety Scheme (EESS) as unitised under Queensland's Recognised External Certification Scheme (RECS) of Level 2 and 3 in-scope electrical equipment as published in AS/NZS 4417.2:2020, Appendix B2.
2. The Recognized External Approvals Scheme (REAS) Declared Articles Gazetted under the NSW legislation – gazette Number 494—Electricity and Water Friday, 1 October 2021. and

The table below includes RECS Level 3 & 2, Level 2 are noted as **(Level 2)** and Declared Articles (REAS)

- Differences between RECS and REAS:
 - Black text is common to both RECS and REAS
 - RECS specific requirements are in green text
 - REAS specific requirements are in purple text
 - Red text is comment only or to abbreviate particular text. Refer to original documents for full text.

AS/NZS 4417.2: 2020 included

Where:

- Black and green text are read together for the RECS requirements.
- Black and purple text are read together for the REAS requirements; and

The Class Specifications/Standards listed at the end of each definition reflects those gazetted under the New South Wales legislation. The version of the Standard may vary for the requirements under RECS.

Certificates issued under REAS will be to the gazetted standards or later versions if permitted under law.

For Level 1, Level 2 or Non-Declared articles, the current applicable version will apply.

All electrical products that fall within Level 3 or Declared definitions of NSW must have certification prior to sale. If you are uncertain if your product is Level 1-3 or declared please contact AICAS.

A Class Specification that is in the course of being replaced by another Class Specification or Edition, the date when replacement Class Specification takes force is in brackets.

Where a Date of Application applies it is noted as "DOA: dd/mm/yyyy."

NOTE:

Where reference is made to a "part 2" specification, such as, AS/NZS 60335.2.2, AS/NZS 60598.2.1 or AS/NZS 61347.2.3 it also includes the base specification as per AS/NZS 60335.1, AS/NZS 60598.1 or AS/NZS 61347.1 respectively. For the AS/NZS 3100 series such as AS/NZS 3112, 3105, 3133 and others, the general clauses of clause 1.2 of AS/NZ 3100 are required and must be included.

For REAS, the applicable versions of the part 1's are as follows:

AS/NZS 60335.1:2011+A1-4; or AS/NZS 60335.1:2020

AS/NZS 3100:2017+A1 (Until 28-June-2022) or AS/NZS 3001:2017+A1-2.

AS/NZS 60745.1:2009 or AS/NZS 60745.1:2003+A1-3. The 2009 edition will supersede the 2003 version after all Part 2's of that standard has been superseded. See Item 53)

AS/NZS 60598.1:2017+A1

AS/NZS 61347.1:2016+A1

AS/NZS 61535:2011

AS/NZS 61558.1:2008+A1-2

AS/NZS 62841.1 means AS/NZS 62841.1:2015+A1

LED means Light Emitting Diode

"Supply to separate equipment" / "supply to separate luminaires" means the equipment or luminaire is permanently connected and disconnection would mean the destruction of the connection (e.g. by being in the same enclosure or by having a type Z connection).

Note: Dates of Application for versions and amendments or part thereof can be taken into account unless otherwise stated by lawful notice.

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B.2.1 - 2. Air Conditioner incorporating Flammable Refrigerant

An electrical appliance that –

- a) is for household use; and
- b) incorporates motor compressors; and
- c) is an electrical appliance designed to provide delivery of conditioned air to an enclosed space, room or zone; and
- d) includes a refrigeration system for cooling, heating or dehumidifying the air, including hydronic room fan coil type systems; and
- e) is portable, transportable or fixed; and
- f) uses refrigerant having a flammability classification of Class 2 or Class 3 in accordance with ISO 817. For refrigerant blends that have more than one flammability classification, the most unfavourable classification is taken.

Class specification:AS/NZS 60335.2.40: 2015 (until 28 June 2022); or AS/NZS 60335.2.40:2019.

B.2.2 Air conditioner incorporating non-flammable or low flammable refrigerant (Level 2)

An electrical appliance that—

- a) is for household use; and
- b) incorporates motor compressors; and
- c) is an electrical appliance designed to provide delivery of conditioned air to an enclosed space, room or zone; and
- d) includes a refrigeration system for cooling, heating or dehumidifying the air, including hydronic room fan coil type systems; and
- e) is portable, transportable or fixed; and
- f) uses a refrigerant having a flammability classification of Class 1 or Class 2L in accordance with ISO 817. For refrigerant blends that have more than one flammability classification, the most unfavourable classification is taken.

Note 1 For example if a refrigerant blend has a flammability classification of A2/A2L then the blend is considered to be a flammable refrigerant and the appliance is as described in 'Air conditioner incorporating flammable refrigerant'

Class specification:AS/NZS 60335.2.40.

B.2.3 - 1. Appliance Connector

An electrical device that —

- a) is for attachment to a flexible cord; and
- b) makes a detachable connection between the conductors of the cord and the pins or contacts of any low voltage appliance or equipment of a type intended or generally used for household applications;

But does not include —

- c) a connector within the scope of AS/NZS 3123; or
- d) a plug or socket-outlet within the scope of AS/NZS 3131; or
- e) an installation coupler within the scope of AS/NZS 61535.1
- f) any associated Group 2 Appliance Connector for connection to a specific electric blanket.

Class Specification:

Appliance connector:AS/NZS 60320.1:2012

Sewing machine connector:AS/NZS 60320.2.1:2004

Interconnection appliance coupler Plug connector:.....AS/NZS 60320.1:2012 and AS/NZS 60320.2.2:2004.

B.2.4 - 3. Arc Welder Machine

An electrical appliance that —

- a) is for use in the electric arc welding process;
- b) is for connection to single phase low voltage supply;
- c) is fitted with a flexible cord and plug rated at not more than 16 A;
- d) can easily be moved from one place to another while it is connected to supply; and
- e) has, for GMAW (gas metal arc welding), GTAW (gas tungsten arc welding), and FCAW (flux cored arc welding) machines, a 100% output rating not exceeding 65 A.

The 100% rating is calculated from the square root of the marked duty cycle expressed in decimal form multiplied by the marked output current associated with the duty cycle in amperes.

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But does not include —

- f) an arc welding machine promoted exclusively to industry.

Class Specification:.....AS 60974.6 for AU.

Inverter type:..... IEC 60974-1:2017

Other:.....AS 60974.6:2020 or IEC 60974-6:2015 plus clause 30.2 of AS/NZS 60335.1

Note: Clause 30.2 of AS/NZS 60335.1 is only relevant for non-metallic enclosures.

B.2.5 - 4. Bayonet Lampholder

An electrical device that —

- a) accommodates a lamp with a bayonet cap of 15 mm or 22 mm nominal diameter;

But does not include —

- b) a lampholder which by design is restricted to specific appliances; or
- c) a lampholder which is for incorporation in industrial equipment only.

Class Specification:.....AS 61184:2015+A1-2; or AS/NZS 3100 and AS/NZS 3117:2015+A1.

B.2.6 - 5. Bayonet Lampholder Adaptor

An electrical device that —

- a) is for insertion into a B22 bayonet lamp holder; and
- b) is for connection to a flexible cord; or
- c) has one or more lamp holders.
- a) is for insertion into a lampholder; and
- b) may incorporate electronic circuits to control the output; and
- c) may incorporate electronic circuits for other functions; and
- d) has outlet facilities for connection to a flexible cord or has an integral flexible cord; and/or
- e) has one or more lampholders.

Class Specification:.....AS/NZS 3100 and AS 3119:2015.

B.2.7 Beauty care lamp (see 52. Therapeutic Lamp)

An electrical appliance that—

- a) is a household type;
- b) produces optical radiation for personal, cosmetic or nail hardening purposes; and
- c) is portable

Class Specification:

AS/NZS 60335.2.27 (or appliances for skin exposure to optical radiation)

AS/NZS 60335.2.113 (cosmetic and beauty care appliances incorporating lasers and intense light sources)

AS/NZS 60335.2.23 plus exempt group limits from AS/NZS 62471 (for nail hardeners).

B.2.8 - 6. Blanket [see B.2.46 Over blanket / Duvet / Wrap]

An electrical appliance that —

- a) is for the application of heat to a bed or human body;
- b) is flexible;
- c) has a fabric enclosure; and
- d) has a projected surface area exceeding 0.6 m²;

and includes —

- e) any associated power supply or controller.
- f) any associated Group 2 APPLIANCE CONNECTORS specific for the blanket

Class Specification:.....AS/NZS 60335.2.17:2012+A1.

B.2.9 - 7. Bread Toaster – Portable Type

An electrical appliance that —

- a) is a household type;
- b) is for toasting bread or similar foods, and
- c) is portable.

Class Specification:.....AS/NZS 60335.2.9:2014+A1-3 (until 26 June 2023) or AS/NZS 60335.2.9:2020.

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B.2.10 - 8. Building Wiring Cable

<p>An electric cable that—</p> <ul style="list-style-type: none"> a) has 1—5) conductors of stranded or solid cores of copper conductors; b) has an insulated and laid up flat or circular configuration; c) is sheathed or unsheathed; d) is intended for use at a rated voltage of between 200 and 250 V, single phase, or between 350 and 450 V, multi- phase, rms, a.c., between conductors or to earth; e) is intended for use in buildings or similar structures; and f) has a nominal cross-sectional area per conductor from 0.5 mm² to 16 mm²; 	<p>A single or multicore electric cable insulated with polymeric materials that: —</p> <ul style="list-style-type: none"> a) has one to five conductors of stranded or solid cores of copper conductors; and b) has an insulated and laid up flat or circular configuration; and c) is sheathed or unsheathed; and d) has active phase conductors with a nominal cross-sectional area of 0.5 mm² to 16mm²; and e) has an insulation designation of V-75, V-90, V-90HT or X-90; and f) is intended for use in electrical installations at working voltages up to: - <ul style="list-style-type: none"> i. 450/750 V; or ii. 0.6/1 (1.2) kV
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But does not include the following exempt types –

- g) armoured, metallic screened and metal sheathed cables;
- h) halogen free cables;
- i) cables with a Fire Rating;
- j) Supply Flexible cords; (see B.2.64)
- k) Control cables where the insulation of the conductors are not individually coloured;
- l) cables with a conductor flexibility of Class 5 or greater according to AS/NZS 1125;
- m) cables not captured by the scope of AS/NZS 5000.1 or AS/NZS 5000.2;

Class Specification: For working voltages up to 0.6/1 (1.2) kV:.....AS/NZS 5000.1:2005

For working voltages up to 450/750V:.....AS/NZS 5000.2: 2006.

Note 1: Cables that have a conductor flexibility of Class 5 according to AS/NZS 1125 are commonly known as Flexible Cable. (See (i) above)

Note 2: The scopes of AS/NZS 5000.1 and AS/NZS 5000.2 do not apply to polymeric insulated cables for special installations and service conditions or for which there are separate Australian/New Zealand Standards. (See (m) above)

Note: A Supply Flexible Cord is captured by the definition of 'Supply Flexible Cord' elsewhere in this schedule.

Note: Cables where the insulation of the conductors are not individually coloured are usually considered control cables for specialised purposes.

Note: Cables used for the 'consumers mains' and Extra Low Voltage cables are previously excluded by the Act by being outside the definition of electrical installation.

B.2.11 - 9. Clothes Dryer

An electrical appliance that —

- a) is a household type; and
- b) is for drying textile material using electrical energy.

But does not include _

- c) a heated towel rail; or
- d) a gas appliance having electrical connections.

Class Specification:

Rotary type:AS/NZS 60335.2.11:2017 (until 26 June 2023); or AS/NZS 60335.2.11:2020

Cabinet type: ..AS/NZS 60335.2.43:2018

High Speed Spin Extractor:.....AS/NZS 60335.2.4:2010+A1-4; or AS/NZS 60335.2.4: 2010 +A1-4.

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B.2.12 - 10. Control or Conditioning Device

An electrical device that –

- a) is a household type;
- b) is for controlling or conditioning the electrical input to electrical apparatus via outlet facility(s) of the condition or control device;
- c) is portable, including devices connected to supply by integral pins for engagement with a socket-outlet;
- d) is self-contained, and
- e) connects to supply by means of a flexible cord and plug, appliance inlet or pins for engagement with a socket-outlet.

Class Specification:AS/NZS 3100 and 3105:2014+A1.

B.2.13 - 11. Cooking Appliance – Portable Type

An electrical appliance that —

- a) is a household type;
- b) is for cooking or warming food by electrical energy; and
- c) is portable.

Class Specification:

Griller, roaster or oven (Including breadmaker):...AS/NZS 60335.2.9:2014+A1-3 (until 26 June 2023); or AS/NZS 60335.2.9:2020

Warming plate or similar:.....AS/NZS 60335.2.12:2018

Frying pan, deep fryer or wok:.....AS/NZS 60335.2.13:2017

Outdoor barbecue:.....AS/NZS 60335.2.78:2005+A1-2 (until 29 Nov 2022); or AS/NZS 60335.2.78:2019.

B.2.14 - 12. Cord Extension Socket

An electrical device that —

- a) is for attachment to a flexible cord;
- b) has a maximum rating of 20 A at low voltage; and
- c) has contacts whereby a detachable connection may be made with the corresponding pins of a plug or an inlet;

But does not include —

- d) a connector or appliance connector designated in AS/NZS 3123; or
- e) a socket-outlet designated in AS/NZS 3131; or
- f) an installation coupler designated in AS/NZS 61535.1

Class Specification:.....AS/NZS 3100 and AS/NZS 3120:2011+A1.

B.2.15 - 13. Cord-Line Switch

An electrical device that —

- a) is for attachment in a flexible cord;
- b) manually opens and closes an electrical circuit; and
- c) has a rating not exceeding 16 A at low voltage;

but does not include —

- d) bell push and pendant switches.

Class Specification:..... AS/NZS 3127

Air-break type— AS/NZS 3100 and AS/NZS 3127:2005.

Electronic type—AS/NZS 3100 and AS/NZS 3127: 2005, with AS/NZS 3127: 2005 Clause 12.1 modified to replace all references to AS/NZS 3133 with AS/NZS 60669.2.1

B.2.16 - 14. DC Isolator

An electrical device that –

<ul style="list-style-type: none"> a) is an air-break DC rated isolator; and b) is for connection to the wiring of a household photovoltaic (PV) electrical installation, other household renewable energy installation, or household energy storage installation; 	<ul style="list-style-type: none"> a) is an air-break d.c. rated isolator; and b) has a rated operational current not exceeding 32 A; and c) has a utilization category DC-PV2; and
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<p>and includes—</p> <p>c) any dedicated individual enclosure where the DC isolator is classified as enclosed outdoor</p>	<p>d) is for connection to the wiring of a photovoltaic (PV) electrical installation, other renewable energy installation, or energy storage installation;</p> <p>and includes</p> <p>e) any dedicated individual enclosure where the d.c. isolator is classified as enclosed outdoor.</p>
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NOTE 1 A 'dedicated individual enclosure' includes a single DC isolator in an enclosure or multiple DC isolators in a common enclosure,

but does not include

the enclosure where the DC isolator is to be installed integral within a power conditioning equipment (PCE) enclosure or is to be installed in an enclosure that complies with a relevant standard for assemblies for use in photovoltaic networks.

Class specification:.....AS 60947.3:2018.

B.2.17 - 15. Decorative lighting outfit

An electrical appliance that –

- a) is for decorative, display or illumination purposes;
- b) is portable;
- c) consists of –
 - I. lamps (including LED types) electric light sources or lampholders interconnected by flexible cord of less than 2.5 mm² cross-sectional area; or
 - II. lamps (including LED types) electric light sources within a flexible enclosure; and
- d) may be integral with a frame or similar support

and includes —

- e) any integral power supply or control device.

Class Specification:

Rope lights:.....AS/NZS 60598.2.21:2018.

Other, including lighting chains and festoon lighting:AS/NZS 60598.2.20:2018

B.2.18 - 16. Dishwashing Machine

An electrical appliance that —

- a) is a household type; and
- b) is for washing of eating or cooking utensils.

Class Specification:.....AS/NZS 60335.2.5:2014+A1-2.

B.2.19 - 17. Double Capped Light Emitting Semiconductor Lamp

An electrical appliance that—

- a) is a tubular light emitting semiconductor light source;
- b) is a double capped lamp; and
- c) has integral, built-in or independent control gear

but does not include—

- d) a self-ballasted light emitting semiconductor light source within the scope of AS/NZS IEC 62560.

Class specification: AS/NZS 60598.2.1:2014+A1 Appendix A.

B.2.20 - 18. Edison Screw Lampholder

An electrical device that —

- a) accommodates a lamp with an Edison screw cap of 14 mm or 27 mm nominal outside diameter.

but does not include —

- b) a lampholder which by design is restricted to specific appliances by forming part of a structural moulding of the appliance. This exclusion does not apply to lampholders that can be used in luminaires; or
- c) a lampholder which is for incorporation in industrial equipment only.

Class Specification:.....AS/NZS 3100 and AS/NZS 3140:2014+A1; or AS/NZS 60238:2015+A1-2.

B.2.21 Electric hot water bottle (see 22. Flexible heating pad)

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An electrical device that —

- a) is for application of heat to parts of the human body;
- b) is flexible;
- c) contains liquid that is heated by internal electrical parts; and
- d) has a projected area not exceeding 0.6 m².

Class Specification:AS/NZS 60335.2.81.

B.2.22 - 19. Evaporative cooler

An electrical appliance that —

- a) is a device that cools air through evaporation of water;
- b) incorporates a fan for moving air; and
- c) is fixed with one or more vents.

But does not include:

- d) An evaporative cooler that has a rated airflow greater than 3,500 L/s.

Class Specification:AS/NZS 60335.2.98:2005 +A1-2 (R2016).

B.2.23 - 20. Fan

An electrical appliance that —

- a) is a household type;
- b) has a primary function of moving air in its vicinity for comfort or extraction purposes;
- c) is self-contained;

and includes —

- d) duct fans,
- e) any associated ancillary equipment.

Class Specification: AS/NZS 60335.2.80:2016.

B.2.24 - 21. Fence Energiser

An electrical appliance that regulates and controls the supply of electrical energy to an electric fence.

Class specification:AS/NZS 60335.2.76:2003+A1-4 (until 28 June 2022); or
AS/NZS 60335.2.76:2019.

22. Flexible Heating Pad (see B.2.30 Heating pad – flexible & B.2.21 Electric hot water bottle)

An electrical appliance that —

- a) is for application of heat to parts of the human body;
- b) is in the form of a flexible pad (which may or may not contain a liquid); and
- c) has a projected area not exceeding 0.6m².

and includes:

- d) an electric hot water bottle

but does not include:

- e) appliances specifically intended for use under direct medical supervision.

Class Specification:

Foot Warmer, foot mat electric hot water bottle: AS/NZS 60335.2.81:2015+A1-2

Other: AS/NZS 60335.2.17:2012+A1.

B.2.25 - 23. Floor Polisher/ Scrubber (Level 2)

An electrical appliance that —

- a) is a household type; and
- b) is used to polish or scrub floors.

Class Specification: AS/NZS 60335.2.10:2006+A1.

B.2.26 - 24. Fluorescent Lamp Ballast

An electrical device that —

- a) is for controlling the magnitude of current flowing through the discharge path of a fluorescent lamp;
- b) is of the independent or built-in type intended for use with luminaires (portable or fixed); or
- c) is of the integral type, rated at 60W or less, such that it forms a non-replaceable part of a fluorescent lamp/ballast combination; or

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- d) is of the adaptor type such that it allows the insertion of a fluorescent lamp into the ballast by the user;

and includes —

- e) any capacitor incorporated in or supplied with the ballast;

but does not include —

- e) f) a ballast which is incorporated in luminaries certified for compliance with the requirements for electrical equipment with increased safety type protection (Ex e) for use in hazardous locations.

Class Specification:

Integral (self-ballasted) magnetic or electronic type:AS/NZS 60968:2001

Other magnetic type:AS/NZS 61347.2.8:2003

Other Electronic type:AS/NZS 61347.2.3:2016

Fluorescent lamp adaptors (T8:T5):AS/NZS 61347.2.3:2016 + the relevant requirements of AS/NZS 60598.2.1:2014+A1.

B.2.27 - 25. Fluorescent Lamp Starter

An electrical device that —

- a) is for starting preheat type fluorescent lamps;
b) is a glow-start type; and
c) has an enclosure of insulating material.

Class Specification:AS/NZS 60155 (Section 1):2000+A1-2.

B.2.28 - 26. Glue Gun

An electrical appliance that

- a) is a household type;
b) is hand-held; and
c) is for melting and applying sticks of solid adhesive;

But does not include-

- d) A glue gun promoted exclusively to industry

Class Specification:AS/NZS 60335.2.45:2012.

B.2.29 - 27. Hair Care Appliance

An electrical appliance that —

- a) is a household type or a commercial hand-held type; and
b) is for drying, styling or the caring of human hair.

Class Specification: AS/NZS 60335.2.23:2017.

B.2.30 Heating Pad – Flexible (Level 2, see 22. Flexible Heating Pad & B.2.21 Electric hot water bottle)

An electrical appliance which —

- a) is for application of heat to parts of the human body;
b) is in the form of a flexible pad;
c) has a projected area not exceeding 0.6m²;

but does not include:

- d) an electric hot water bottle.

Class Specification:

Foot Warmer and foot mat:AS/NZS 60335.2.81

Other:AS/NZS 60335.2.17

B.2.31 - 28. Hedge Clipper

An electrical appliance that —

- a) is for trimming hedges; and
b) has one or more linear reciprocating cutter blades; and
c) is hand-held.

Class Specification:AS/NZS 60745.2.15:2010 (Withdrawal date 20 Nov 2021) or AS/NZS 62841.4.2.

B.2.32 - 29. Immersion Heaters

An electrical appliance that —

- a) is a household type;

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- b) is for heating liquid in which it may be immersed; and
- c) is self-contained;

and includes —

- d) aquarium type immersion heaters.

Class Specification:

Aquarium type:.....AS/NZS 60335.2.55:2011
 Portable (other than aquarium) type:.....AS/NZS 60335.2.74:2018
 Fixed type:AS/NZS 60335.2.73:2005+A1-2.

B.2.33 - 30. Insect Electrocuter

An electrical appliance that —

- a) is a household type; and
- b) kills insects by the application of electrical energy.

Class Specification:AS/NZS 60335.2.59:2005+A1-3.

B.2.34 - 31. Inspection Handlamp

An electrical appliance that —

- a) is for inspection purposes using illumination;
- b) contains an electric light source; and
- c) is hand-held;

But does not include —

- d) handlamps with a magnification facility.

Class Specification:AS/NZS 60598.2.8:2015.

B.2.35 - 32. Iron

An electrical appliance that —

- a) is a household type;
- b) is for smoothing or pressing fabric by the application of heat or steam; and
- c) is hand-held except for any separate steam generator;

and includes —

- d) any associated equipment.

Class Specification: Fabric steamer type:.....AS/NZS 60335.2.85:2018
 Other type:AS/NZS 60335.2.3:2012+A1.

B.2.36 - 33. Kitchen Machine

An electrical appliance that —

- a) is a household type; and
- b) is for the preparation of food by mechanical means; or
- c) is for opening cans; or
- d) is for sharpening of knives.

Class Specification:AS/NZS 60335.2.14:2017.

B.2.37 - 34. Lawn Care Appliance

An electrical appliance that —

- a) is a household type; and
- b) is for cutting grass or lawn.

Class Specification:

Mower:AS/NZS 60335.2.77:2002+A1
 Trimmer (with non-metallic filament Line or cutter): ...AS/NZS 60335.2.91:2008+A1
 Trimmer (Other):AS/NZS 60335.2.91:2008+A1
 Grass shears:.....AS/NZS 60335.2.94:2008

*Robotic lawn mower:.....AS/NZS 60335.2.107:2017 (until 18 Dec 2023); or
 AS/NZS 60335.2.107:2020 and the relevant class specification for Power Supply or Charger.

*Not included in Oct 2021 NSW Gazette

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B.2.38 - 35. Light Emitting Semiconductor Lamp (Self Ballasted)

An appliance that –

- a) incorporates a light emitting semiconductor light source; and
- b) has any additional elements necessary for stable operation of the light source incorporated within the lamp body and permanently connected to the light source; and
- c) has a rated voltage greater than 50 V and up to and including 250 V; and
- d) is intended for connection to supply via means of lamp cap for insertion into a lampholder.
- d) has a rated Wattage no greater than 20W or for LED PAR types no greater than 25W; and
- e) intended for connection to supply via means of a B15, B22, E14, E27, G9 or GU10 lamp cap for insertion into a lampholder.

but does not include—

- e) f) a double capped light emitting semiconductor lamp.

Class specification: AS/NZS 62560:2017.

B.2.39 - 36. Liquid Heating Appliance

An electrical appliance that —

- a) is a household type;
- b) is portable;
- c) has a capacity not exceeding 10L; and
- d) heats liquid for —
 - (i) humidifying room air; or
 - (ii) use in, or as, a hot beverage; or
 - (iii) cooking.

Class Specification: Humidifier:... AS/NZS 60335.2.98:2005+A1-2

Other: AS/NZS 60335.2.15:2013+A1-3 (until 29 November 2022); or

AS/NZS 60335.2.15:2019.

B.2.40 - 37. Luminaire – Portable Type

An electrical appliance that —

- a) is a household type;
- b) provides illumination or for decorative purposes, produces light;
- c) is fitted with a supply flexible cord, an appliance inlet socket or a power supply unit with integral pins for insertion into a socket;
- d) is for standing on a table or floor, or is fitted with a clamp or similar for attachment to vertical or horizontal surfaces;
- e) is for use with electric light sources; and
- e) is for use with tungsten filament, tubular fluorescent or other discharge lamps or Light Emitting Diode “LED” types; and is either -
- f) is constructed to represent a model, person or animal and, by its design and materials used, is likely to be treated by a child as a toy; or
- g) has metal parts which/that are required to be earthed or double insulated from live parts (excluding live parts of an all insulated lampholder) but is not within the scope of Annex ZA of AS/NZS 60598.2.4:2005 “Requirements for Simple Portable luminaires”

But does not include –

- h) a simple luminaire – portable type

Class Specification:

Child appealing type (refer to (f)).....AS/NZS 60598.2.10:2015

Type fitted with built-in transformer or convertor:AS/NZS 60598.2.6:1998 (R2013)

Type for Garden Use.....AS/NZS 60598.2.4:2019

Other:AS/NZS 60598.2.4:2019.

B.2.41 - 38. Massage Appliance

An electrical appliance that —

- a) is a household type;
- b) is for massaging the human body;

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- c) is portable; and
- d) is self-contained.

Class Specification:AS/NZS 60335.2.32:2014 (until 27 Nov 2023); or AS/NZS 60335.2.32:2020.

B.2.42 - 39. Microwave Oven

An electrical appliance that —

- a) is a household type; and
- b) applies heat to food, liquid or other substances in a chamber by means of high-frequency electromagnetic radiation.

Class Specification:AS/NZS 60335.2.25:2011+A1-2 (until 18 Dec 2023); or AS/NZS 60335.2.25:2020.

B.2.43 - 40. Miniature Overcurrent Circuit-Breaker

An electrical device that —

- a) is an enclosed air-break switch;
- b) opens a low voltage circuit automatically under predetermined conditions of over-current;
- c) has a nominal rating not exceeding 125 A; and has —
 - (i) a current breaking capacity up to but not including 10 kA; and/or
 - (ii) a projected panel mounting area not exceeding 4000 mm² per pole;

and includes—

- d) miniature overcurrent circuit breakers as defined that are mounted in equipment

but does not include —

- d) miniature overcurrent circuit-breakers as defined but which:
 - (i) are intended and marked as being only for use in industrial application; or
 - (ii) are intended only for use within and for protection of electrical equipment as distinct from circuit wiring and are appropriately marked.
- e) miniature overcurrent circuit breakers as defined but that are intended and marked as being only for use in industrial application; and
- f) miniature overcurrent circuit breakers, for mounting in equipment that are within the scope of IEC 60934.

Class Specification: AS/NZS 3111:2009 A1-2,
AS/NZS 60898.1:2004 or
AS/NZS 60898.2:2004 (R2016);
(or AS 60947.2:2015 for DC circuit breakers outside the scope of AS/NZS 60898.2).

B.2.44 - 41. Nightlight – Mains Socket-Outlet Mounted

An electrical appliance that —

- a) is a household type;
- b) incorporates integral pins for insertion into a socket outlet;
- c) is intended to provide a source of low-level illuminance in areas not normally illuminated at night.

but does not include—

- d) other appliances with indicator lamps.

Class specification:AS/NZS 60598.2.12:2015.

B.2.45 - 42. Outlet Device

An electrical device that —

- a) is a household type;
- b) as its primary function, extends supply from a socket-outlet;
- c) is portable;
- d) incorporates facilities for the insertion of a plug or plugs; and
- e) has a rating not exceeding 20 A;

but does not include —

- f) a cord extension set.

Class Specification:

Integral pin type (including travel adaptor):... AS/NZS 3122:2015

AS/NZS 3122:2015 is modified to preclude types that can be wired or rewired by the user

Other: AS/NZS 3105:2014+A1.

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B.2.46 Over blanket/Duvet/Wrap

An electrical appliance that —

- a) is for application of heat to a person by placing or draping over the person;
- b) is flexible;
- c) does not contain a liquid; and
- d) has a fabric enclosure; and
- e) has a projected surface area exceeding 0.6 m²;

and includes:

- f) any associated power supply or controller

Class Specification:AS/NZS 60335.2.17.

B.2.47 - 43. Plug

An electrical device that —

- a) makes a detachable connection between the contacts of a socket-outlet and the conductors of a flexible cord;
- b) has two, three or four pins for insertion into a socket-outlet; and
- c) has a maximum rating of 20 A;

but does not include —

- d) a plug which is within the scope of AS/NZS 3123:2005 and is intended for industrial use; or
- e) a plug which is within the scope of AS/NZS 3131:2001 or AS/NZS 61535:2011.

Class Specification: AS/NZS 3112: 2017

Note: It is intended to preclude plugs of a non-Australian type.

B.2.48 Power line communication device (level 2)

An electrical device that—

- a) is a discrete device with pins for insertion into a socket outlet; and
- b) is for the purposes of sending or receiving communication over the installation wiring.

Class Specification: AS/NZS 60950.1 or AS/NZS 62368.1.

B.2.49 - 44. Power Supply or Charger

An electrical device which—

- a) provides an output not exceeding 50 V a.c. or 120 V ripple free d.c.; and
- b) is a type to provide supply to separate luminaires; or
- c) is a household type for either charging batteries or to provide a supply to separate equipment.

But does not include:

- d) Information Technology and Audio Video equipment that can use the output to also transmit data that is not associated with the power supply or charger function.

Class Specification: Power Supplies for:

Safety isolating type for General use:

AS/NZS 61558.2.6:2009+A1; or

AS/NZS 61558.2.16:2010+A1-3 (for switched-mode types)

Appliances: AS/NZS 60335.1 and the relevant Part 2 of that series

Toys:

AS/NZS 61558.2.7:2008+A1; or taking into account

AS/NZS 61558.2.16:2010+A1-3 (switched-mode types)

Bells or chimes:

AS/NZS 61558.2.8:2011+A1; or taking into account

AS/NZS 61558.2.16:2010+A1-3 (switched-mode types)

Handlamps:

AS/NZS 61558.2.9:2011+A1 or taking into account

AS/NZS 61558.2.16:2010+A1-3 (switched-mode types)

Use with specific electronic equipment (IT, audio, video):

AS/NZS 60065:2018 (until 15 Feb 2023); or

AS/NZS 60950.1:2015 (until 15 Feb 2023); or

AS/NZS 61558.2.16:2010+A1-3 (switched-mode types); or

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AS/NZS 62368.1:2018

(These standards cannot be used as substitutes for other power supplies listed in the class specification)

Lighting purposes:

Electronic types: LED driver / module: AS/NZS IEC 61347.2.13:2018

Other: AS/NZS 61347.2.2:2007

Ferromagnetic type: AS/NZS 61558.2.6:2009+A1

Battery chargers:..... AS/NZS 60335.2.29:2017

Fence energisers:

AS/NZS 61558.2.6:2009+A1 together with AS/NZS 60335.2.76:2003+A1-4 (R2016); or

AS/NZS 61558.2.16:2010+A1-3 together with AS/NZS 60335.2.76:2003+A1-4 (until 28 June 2022); or

AS/NZS 60335.2.76: 2019 (switched-mode types).

B.2.50 - 45. Projector (Level 2)

An electrical appliance that —

- a) is a household type; and
- b) is for projecting an image from a photographic slide or moving film.

Class Specification:.....AS/NZS 60335.2.56:2006+A1-2.

B.2.51 - 46. Range

An electrical appliance that —

- a) is a household type;
- b) is for cooking food using heat produced by electrical energy; and
- c) is stationary.

Class Specification: Fixed outdoor barbeque:....AS/NZS 60335.2.78:2005+A1-2 (until 29 Nov 2022); or
AS/NZS 60335.2.78:2019;

Other:AS/NZS 60335.2.6:2014+A1 (until 28 June 2022) or;
AS/NZS 60335.2.6: 2014 +.

B.2.52 - 47. Range Hood

An electrical appliance that —

- a) is a household type;
- b) collects and/or filters air; and
- c) is for installation above, or adjacent to, a cooking appliance.

Class Specification AS/NZS 60335.2.31:2013+A1-3 (until 27 Nov 2022); or AS/NZS 60335.2.31:2020.

B.2.53 - 48. Razor/Hair Clipper

An electrical appliance that —

- a) is a household type; and
- b) shaves, cuts or trims human hair.

Class Specification:.....AS/NZS 60335.2.8:2013+A1.

B.2.54 Recessed Luminaire—light emitting semiconductor type (Level 2)

An electrical appliance that —

- a) incorporates a light emitting semiconductor light source; and
- b) has any additional elements necessary for stable operation of the light source incorporated within or permanently connected to the device; and
- c) has a rated voltage greater than 50 V and up to and including 250 V; and
- d) is designed to recessed into a ceiling, wall or floor.

but does not include —

- e) a double capped light emitting semiconductor lamp;
- f) a light emitting semiconductor lamp (self-ballasted);
- g) an electrical device that is intended to product light for illumination purposes in commercial or industrial applications;
- h) ground recessed luminaires (IEC 60598-2-13);
- i) recessed air handing luminaires (AS/NZS 60598.2.19);
- j) recessed liquid cooled luminaires;

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- k) emergency lighting fixtures (AS/NZS 60598.2.22);
- l) fans with integral luminaires (AS/NZS 60335.2.80).

Class Specification:AS/NZS 60598.2.2.

B.2.55 Refrigerating appliance - 49. Refrigerator/Freezer

An electrical appliance that —

- a) is a household type; and
- b) cools and stores food.

But does not include –

- c) wine coolers

Class Specification:AS/NZS 60335.2.24:2010+A1-2

B.2.56 - 50. Residual Current Device

An electrical device that —

- a) isolates or initiates a tripping signal to isolate a low voltage supply to protected circuits, socket-outlets or equipment in the event of a current flow to earth which exceeds a predetermined level;
- b) may be fixed or portable;
- c) has a rated residual current not exceeding 300 mA for devices intended for connection to fixed wiring or 30 mA for other devices; and
- d) has a rated load current not exceeding 125 A for devices intended for connection to fixed wiring or 20 A for other devices;

But does not include —

- e) a device intended to be used with a particular circuit breaker other than a miniature overcurrent circuit-breaker; or
- f) a device intended to protect an electricity supply authority distribution system; or
- g) a device covered by AS 2081 and intended for mines use.

Class Specification:

In this Class specification, AS/NZS 3190: 2016 means either:

AS/NZS 3190: 2016 plus Amendment 1 clause 5.11; or

AS/NZS 3190: 2016 plus Amendment 1 (from 10 July 2021)

Without integral over-current protection:..... AS/NZS 61008.1:2015 or AS/NZS 3190:2016

With integral over-current protection:..... AS/NZS 61009.1:2015: or

..... AS/NZS 3190:2016 and AS/NZS 3111:2009+A1-2

Type 'B' and 'F' devices:..... IEC 62423

Type SPE – PRCDs:..... IEC 62335

Portable types:.....AS/NZS 3190:2016; or

AS/NZS 3190:2016 together with AS/NZS 3012:2010+A1 (Type PSOA); or
IEC 61540 and the PRCD and PSOA requirements of AS/NZS 3190.

B.2.57 - 51. Room Heater

An electrical appliance that —

- a) is a household type; and
- b) is for heating, by electrical energy, the atmosphere for comfort purposes;

and includes –

- c) an appliance that accommodates one or more heat lamps;

But does not include —

- d) an air-conditioning appliance;
- e) a heating system that is intended to heat the atmosphere of a room primarily by raising the temperature of any floor, wall, or ceiling area; or
- f) an under-carpet heating system.

Class Specification: Thermal storage type:..... AS/NZS 60335.2.61:2005+A1-2

Other: AS/NZS 60335.2.30:2015+A1-3.

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B.2.58 - 52. Sewing Machine (Level 2)

An electrical appliance that —

- a) is a household type; and
- b) is for stitching fabric or other material.

Class Specification:AS/NZS 60335.2.28:2006+A1.

B.2.59 Simple portable luminaire (Level 2)

A portable luminaire, in which the supply flexible cord (including any associated cord line switch) is terminated to a single lampholder that is mounted on a non-flexible, non-articulated stem in which the cord may be enclosed, that—

- a) only includes one or more of the following components that comply with the relevant Standards: Edison screw lampholder to accommodate screw cap of 14 mm or 27 mm nominal outside diameter or bayonet cap lampholder that accommodates a lamp with a bayonet cap of 15 mm or 22 mm nominal diameter, a cord line switch, supply flexible cord and plug; and
- b) is for use with light sources that have bases for insertion into E27, E14, B15 or B22 lampholders; and
- c) is of the ordinary type for indoor use only;

but does not include—

- d) a transformer;
- e) a dimmer or touch controls or other electronic devices or portable luminaires of type covered in AS/NZS 60598.2.8 and 60598.2.10.

Class specification:AS/NZS 60598.2.4 or AS/NZS 60598.2.4 Annex ZA.

B.2.60 - 53. Socket-Outlet

An electrical device that —

- a) is for fixing at a point at which fixed wiring terminates;
- b) provides a detachable connection with the pins of a plug;
- c) has two, three, or four contacts; and
- d) has a maximum rating of 20A;

But does not include —

- e) an outlet within the scope of AS/NZS 3123 or AS/NZS 3131 or AS/NZS 61535.

Class Specification:AS/NZS 3112:2017; or AS/NZS 60884.1:2013 (including Annex ZZ)

Socket Outlets shall not allow projected plug portions for any aperture set to be overlapped.

B.2.61 Socket-outlet with supply flexible cord

An electrical device that—

- a) is for connection to the supply by a supply flexible cord;
- b) incorporates facilities for the insertion of one or more plugs
- c) is designed to be permanently fixed:
 - (i) in a bench, desk, table or the like; or
 - (ii) on a bench, desk, table or the like; or
 - (iii) on the floor, ceiling or wall.
- d) has a rating not exceeding 20 A;

but does not include—

- e) an outlet within the scope of AS/NZS 3123 or AS/NZS 3131;
- f) socket-outlets that are part of another electrical appliance; or
- g) an outlet device (see B.2.45)

Class specification: AS/NZS 3112

NOTE Clause 3.9.2 in AS/NZS 3112 requires these devices to comply with the relevant clauses of AS/NZS 3105.

B.2.62 - 54. Soldering Iron

An electrical appliance that —

- a) is for the application or removal of solder; and
- b) is hand-held;

and includes —

- c) any integral or associated power supply or controller;

But does not include —

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d) a soldering iron promoted exclusively to industry.

Class Specification: AS/NZS 60335.2.45:2012.

B.2.63 - 55. Submersible Pump

This definition becomes mandatory on 1 January 2023

An electrical appliance that –

<p>a) is for pumping liquids (including a mixture of water and small solids) having a temperature not exceeding 90 °C;</p> <p>b) as any electrical part, or enclosure around any electrical part, completely or partially immersed in the liquid being pumped during normal use; and</p> <p>c) is portable or fixed into position.</p> <p>and includes—</p> <p>d) any pumps for garden ponds, aquarium pumps, sludge pumps, submersible pumps, table fountain pumps, deep well pump or vertical wet pit pumps where any of these pumps meet (a), (b) and (c).</p> <p>but does not include—</p> <p>e) any shower boost pumps, or any vertical wet pit pumps that do not meet (a), (b) and (c); or</p> <p>f) swimming pool or spa equipment.</p>	<p>a) is a household or domestic type;</p> <p>b) is for pumping liquids (including a mixture of water and small solids) having a temperature not exceeding 90 °C;</p> <p>c) has a rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances;</p> <p>d) has any electrical part, or enclosure around any electrical part, completely or partially immersed in the liquid being pumped during normal use; and</p> <p>e) is portable or fixed in position</p> <p>but does not include—</p> <p>f) swimming pool or spa equipment.</p>
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Class specification: AS/NZS 60335.2.41:2013 +A1

Note: Submersible Pumps supplied from a separate extra low voltage supply (at or less than 50 VAC or 120 VDC) are not captured by this definition.

B.2.64 - 56. Supply Flexible Cord

An electrical cord that —

- a) is unscreened and flexible;
- b) is designed for use at low voltage;
- c) consists of two or three elastomer or PVC insulated cores of multistrand construction;
- d) has a cross-sectional area of each conductor not exceeding 2.5 mm²; and
- e) has for other than tinsel cords, individual wire strandings not exceeding:
 - (i) 0.21 mm for conductor sizes up to 1 mm²; or
 - (ii) 0.26 mm for conductor sizes exceeding 1 mm²;

but does not include —

- f) a flexible cord directly connected to equipment or approved non-rewirable accessories which is marked in accordance with the CENELEC HAR marking scheme (*agreement*) for flexible cords.
- f) A flexible cord which is marked in accordance with the CENELEC HAR marking scheme for flexible cords that is either;
 - directly connected to equipment; or
 - directly connected to approved non-rewirable accessories.

(g) wiring contained entirely within the enclosure of equipment or an appliance.

Class Specification:

All types:AS/NZS 3191; or

PVC insulated type:AS/NZS 60227.5; or

Rubber type:AS/NZS 60245.4.

Class Specification:

General flexible cord:AS/NZS 3191:2008; or

PVC:AS/NZS 60227.5:2003+A1; or AS/NZS IEC 60227.5:2019

Rubber:AS/NZS 60245.4:2003+A1; or AS/NZS IEC 60245.4:2020

Halogen-free thermoplastic insulation cord:EN 50525-3-11:2011 or IEC 62821-3:2015

Halogen-free cross-linked insulation cord:EN 50525-3-21:2011.

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B.2.65 - 57. Swimming Pool or Spa Equipment

An electrical appliance or device that —

- a) that is a transportable spa pool of transportable spa-bath; or
- b) is for circulating air or water in a conventional bath; or
- c) is for use in the operation or cleaning of a swimming pool, non-transportable spa pool or non-transportable spa bath;

but does not include —

- d) an appliance or device exclusively promoted for commercial use; or
- e) a heat pump.

Class Specification:

Pump:..... AS/NZS 60335.2.41:2013 (until 30 Nov 2022); or
AS/NZS 60335.2.41: 2013 +A1

Spa pool/bath or appliance to circulate air
or water in a conventional bath:..... AS/NZS 60335.2.60:2006+A1 (until 30 November 2021) or;
..... AS/NZS 60335.2.60: 2018

UV Radiation Water treatment appliances: AS/NZS 60335.2.109:2011+A1-2

Other: AS/NZS 3136:2001+A1-2.

B.2.66 - 58. Television Receiver - CRT type (Level 2)

An electrical appliance that —

- a) is for household use;
- b) is for the display of public or subscription television broadcasts; and
- c) incorporates a single cathode ray picture tube.

Class Specification:.....AS/NZS 60065:2018; or AS/NZS 62368.1:2018.

B.2.67 Television Receiver – Non-CRT type (Level 2)

An electrical appliance that —

- a) is a device with an integral screen;
- b) is for the display of public or subscription television broadcasts or streaming services;

but does not include –

- c) television receiver—CRT type; or
- d) video and image display device.

Class Specification:.....AS/NZS 60065 or AS/NZS 62368.1.

59. Therapeutic Lamp. (see B.2.7 Beauty care Lamp)

An electrical appliance that —

- a) is a household type; and
- b) produces optical radiation for personal, cosmetic or nail hardening purposes; and
- c) is portable.

Class Specification:

For appliances incorporating lasers and
intense light sources—.. AS/NZS 60335.2.113:2017

Other: AS/NZS 60335.2.27:2016+A1 (until 26 June 2023); or AS/NZS 60335.2.27:2020.

B.2.68 - 60. Tool – Portable Type

An electrical motor operated appliance that —

- a) is intended to do mechanical work
- b) is with or without provisions for mounting on a support,
- c) is intended or designed to be held or supported by hand during operation;
- but does not include-**
- d) lawn and garden machinery
- e) a tool, portable type, promoted exclusively to industry
- f) a transportable tool;
- g) a heat gun.

- a) is for machining, drilling, sawing, or surface preparation; and
- b) may be entirely supported by hand during operation;
- but does not include**
- c) a tool, portable type, promoted exclusively to industry.

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Class Specification:

AS/NZS 60745.1 plus the appropriate AS/NZS 60745 series Part 2 (until superseded by the relevant AS/NZS 62841 series Part 2, as stated in the relevant AS/NZS 62841 series part 2); or

AS/NZS 62841.1 plus the appropriate AS/NZS 62841 series Part 2 (able to be applied as soon as published); or

Where there is not an AS/NZS 60745 series Part 2 or an AS/NZS 62841 series part 2 – AS/NZS 3160.

AS/NZS 60745.1 plus the in-effect AS/NZS 60745 Series Part 2

Where the published AS/NZS 60745 Series Part 2 has been withdrawn or does not exist:-

AS/NZS 62841.1 plus the appropriate AS/NZS 62841 Series Part 2

Other (where an AS/NZS 60745 Part 2 or AS/NZS 62841 Part 2 is not available) AS/NZS 3160.

B.2.69 - 61. Vacuum Cleaner

An electrical appliance that —

- a) is a household type;
- b) is portable; and
- c) removes dust, dirt or moisture and the like from floor coverings by suction; or
- d) removes garden refuse from lawns or paths and the like by suction.

Class Specification: Hand-held garden type:.... AS/NZS 60335.2.100:2003

Other: AS/NZS 60335.2.2:2018.

B.2.70 - 62. Wall Switch

An electrical device that —

- a) is a household type; and
- b) is an air-break switch or, electronic switch; and
- c) is for connection to the wiring of an electrical installation; and
- d) is primarily for mounting on a vertical surface; and
- e) is intended to turn a load ON or OFF; and
- f) has a rating not exceeding 20 A.

but does not include—

- g) automatic operation by means of motion sensors such as Passive Infrared sensors, Microwave sensors, Ultrasonic sensors or the like.

Class Specification:AS/NZS 3133:2013+A1-2; or AS/NZS 3133: 2020 (from 27 Nov 2022); or

For electronic type switches (including relay contacts or solid state contacts):

AS/NZS 60669.1:2013 and AS/NZS 60669.2.1:2013 plus, AS/NZS 3133 M rating if applicable.

B.2.71 - 63. Washing Machine

An electrical appliance that —

- a) is a household type; and
- b) is intended for washing clothes and other textile materials.

Class Specification: AS/NZS 60335.2.7:2012+A1-2 (until 26 June 2023); or AS/NZS 60335.2.7:2020.

B.2.72 - 64. Water Bed Heater (Level 2)

An electrical appliance that —

- a) is for installation under a water bed envelope; and
- b) heats water contained in that envelope;

and includes —

- c) any associated control device.

Class Specification:.... AS/NZS 60335.2.66:2012.

B.2.73 - 65. Water Heater

An electrical appliance that —

- a) is for heating and storage of water for bathing, washing, or similar purposes;
- b) incorporates a heating element;
- c) is unvented; and

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- d) has a storage capacity not less than 4.5 L not more than 680 L; or
- e) is for heating water;
- f) is of the instantaneous type; and
- g) incorporates live parts in contact with water.

Class Specification:

Pressure Storage type:.....AS/NZS 60335.2.21:2013+A1 (until 28 June 2021) or;
AS/NZS 60335.2.21: 2013 +A1-2

Instantaneous type:AS/NZS 60335.2.35:2013+A1.

End of Table for RECS and REAS Australia



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FOR INFORMATION ONLY – Need to check with NZ regulator for current requirements.

Previous versions of AS/NZS 4417.2 (See 2018 version) included Table B.3 as below that covered additional Regulatory Definitions New Zealand. However, NZ has removed their listings in AS/NZS 4417.2:2020 version.

NZ is now currently reviewing their legislation with the view of publishing them in a NZ government gazette.

All were Level 2 in the 4417.2:2018 version but this may have changed)

For NZ - AS/NZS 3100:2017+A1 Plus NZS A3

AC Electric Vehicle (EV) charging station

All equipment for delivering a.c. current to EVs, installed in an enclosure(s), with special control functions

Class specification: IEC 61851-1

Appliance for skin exposure to ultraviolet radiation

An electrical device that—

- a) incorporates emitters for exposing the skin to ultraviolet radiation, for household and commercial use;

Class specification:AS/NZS 60335.2.27

Battery operated fence energizer

A battery operated electrical appliance that regulates and controls the supply of electrical energy to an electrical fence.

Class specification:AS/NZS 60335.2.76

Battery operated tool – portable type

An electrical appliance that—

- a) is for machining, drilling, sawing, or surface preparation; and
 - b) may be entirely supported by hand during operation;
- but does not include—
- c) a tool, portable type, promoted exclusively to industry.

Class specification:AS/NZS 60745 series of standards AS/NZS 62841.1 plus the appropriate AS/NZS 62841 series Part 2

Battery powered self-balancing personal transport device

An electrical appliance that—

- a) involves a single or multiple electrical energy storage device; and
- b) is a wheeled, self-balancing personal transport vehicle.

Class specification:AS/NZS 60355.2.201 [(Until 30 Nov 2021) or 60335.2.114 DOA 26 June 2021]

Cable assembly

Piece of equipment used to establish the connection between an Electric Vehicle (EV) and socket-outlet or to the fixed charger

NOTE 1 It may be either fixed or be included in the vehicle or the EV supply equipment (EVSE), or detachable.

NOTE 2 It includes the flexible cable and the connector and/or plug that are required for proper connection.

NOTE 3 A detachable cable assembly is not considered as a part of the fixed installation.

NOTE 4 See Figures 1, 2 and 3 in the Class specification.

Class specification:IEC 61851-1

Cord extension set

An electrical device that—

- a) is a household type;
- b) as its primary function, extends supply from a socket-outlet;

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Defined Electrical Products - Combined list

- c) is portable;
 - d) incorporates one extension socket-outlet at the end; (e) has a rating not exceeding 20 A; and
 - e) does not incorporate integral pins for insertion into a socket outlet;
- but does not include—
- f) an outlet device.

Class specification:AS/NZS 3199

DC Electric Vehicle (EV) charging station

All equipment for delivering d.c. current to EVs, installed in an enclosure(s), with special control functions and communication and located off the vehicle

NOTE DC charging includes pulse mode charging.

Class specification: IEC 61851-1

Drive for garage doors for residential use

An electrical device that includes the motor and other components that controls the movement of a garage door for residential use

Class specification:AS/NZS 60335.2.95

Drive for horizontally and vertically moving gates, doors and windows for household and similar purposes

An electrical device that includes the motor and other components that controls the movement of the movable part of a gate, door or window that is operated by the drive

Class specification:AS/NZS 60335.2.103

Electrically operated toy

Electrically operated product intended for use by children under 14 years old for playing purposes that is operated by –

- a) batteries; or
- b) the supply mains through a transformer for toys and using the supply mains as the only source of electrical energy; or
- c) batteries and either simultaneously or alternatively the supply mains through a transformer for toys

Class specification:AS/NZS 62115

Extra low voltage light fitting

An electrical appliance that—

- a) is intended to produce light for illumination purposes in domestic or similar applications;
- b) has a rating up to and including 500 W;
- c) is for use with an electric light source; and
- d) may also incorporate automatic controls, such as passive infrared motion detectors.

but does not include—

- e) an electrical device that is intended to produce light for illumination purposes in
- f) commercial or industrial applications;
- g) a low voltage light fitting.

Class specification: AS/NZS 60598.2.1, AS/NZS 60598.2.2 or IEC 61347-2-13 as appropriate

In-cable control and protection device (IC-CPD)

Assembly of linked parts or components including cables, plug and vehicle connector for supplying electric vehicles in charging mode 2, which performs control functions and safety functions

NOTE Mode 2 charging means:

Connection of the Electric Vehicle (EV) to the a.c. supply network (mains) not exceeding 32 A and not exceeding 250 V a.c. single-phase or 480 V a.c. three-phase utilizing standardized single-phase or three-phase socket-outlets, and utilizing the power and protective earth conductors together with a control pilot function and system of personnel protection against electric shock (RCD) between the EV and the plug or as a part of the in-cable control box. The inline control box being located within 0,3 m of the plug or the EV supply equipment (EVSE), or in the plug.

Class specification: IEC 62752

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Light fitting

An electrical device that—

- a) is intended to produce light for illumination purposes in domestic or similar applications;
- b) has a rating up to and including 500 W;
- c) is for use with an electric light source; and
- d) may also incorporate automatic controls, such as passive infrared motion detectors.

but does not include—

- e) an electrical device that is intended to produce light for illumination purposes in
- f) commercial or industrial application;
- g) an extra Low Voltage light fitting.

Class specification:AS/NZS 60598.2.1, AS/NZS 60598.2.2 or IEC 61347-2-13 as appropriate

Lithium-ion/polymer battery

A secondary battery that—

- a) is for portable applications;
- b) incorporates a lithium-ion negative electrode system;
- c) incorporates one or more secondary lithium cells and which is ready for use;
- d) incorporates adequate housing and a terminal arrangement;
- e) may incorporate electronic control devices.

Class specification: IEC 62133-2

Touch dimmer

An electrical device that—

- a) is an electronically operated switch for direct or indirect operation of lamp circuits or the speed of motors; and
- b) utilises direct or indirect contact of a person with live parts for its operation.

Class specification:IEC 60669-2-1

Vehicle Adaptor

An electrical device that—

- a) is used to facilitate the conductive charging of electric vehicles; and
- b) is a portable accessory constructed as an integral unit incorporating both vehicle inlet portion and vehicle connector portion.

Class specification:IEC 61851-1

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