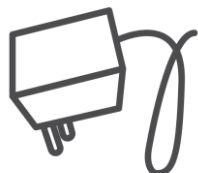


## 33 Categories of Controlled Goods



### AC adaptors

AC adaptors convert power drawn from the electrical mains into a (typically lower) current that an electronic appliance can use. Each AC adaptor has a specific power rating that it outputs; because of their differences in power rating, AC adaptors are not universal, and consumers are advised to only use their appliance with the original adapter that was bundled with it.

Does not include:

AC adaptors that cannot be disconnected from their original appliances and used to power another object; In these cases, only the appliance will need to carry the Safety Mark (if the appliance is a Controlled Good)

Safety tips for AC adaptors can be found [here](#).

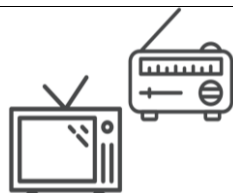


### Air coolers

Air coolers cool down their surroundings through the evaporation of water (evaporative cooling). As air coolers use water as a cooling medium, they usually increase surrounding humidity.

Does not include:

- Electric Appliances that cool down their surroundings **without** using evaporative cooling (e.g. air conditioning units).



### Audio and video products

Electronic devices for home entertainment that have audio and/or video capabilities

Examples of products under this category:

Televisions, Hi-Fi sets, DVD recorders, radios, karaoke sets, turntables

Does not include:

- Cathode ray tube (CRT) televisions
- Non mains-powered audio/video products (e.g. battery powered audio/video products or audio/video products intended for installation within vehicles)



## Coffee makers, slow cookers, steamboats and similar appliances

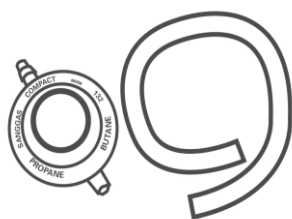
Household appliances used to prepare food or drinks for consumption; these appliances heat up liquids as part of the preparation process.

Examples of products under this category:

- Appliances that heat up liquids to use as a medium for food preparation (e.g. slow cookers, steamboats)
- Appliances for brewing heated drinks (e.g. coffee machines)

Does not include:

- Appliances used only to heat water for drinking (e.g. electric kettles); these are regulated as another category of Controlled Goods
- Non mains-powered products (e.g. charcoal steamboats, battery powered coffee makers)



## Components of liquefied petroleum gas (LPG) systems

Types of products under this category are limited to:

- **Hoses**  
Flexible connectors used to supply LPG to the gas appliance; rated to handle up to 50 mbar operating pressure.

- **Regulators**

Reduces pressure of gas leaving the LPG cylinder to a constant lower pressure that the gas appliance can use. Regulators are pre-set to the correct output pressure which cannot be adjusted.

- **Valves**

Opens/shuts off gas supply and controls amount of gas supplied to the appliance

Does not include:

Other components of LPG systems (e.g. LPG cylinders, housing for gas cylinders, )

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## Decorative lighting chains

A string of lamps linked together to act as a decorative lighting fixture. Individual lights in the chain can either be incandescent bulbs (usually with a coloured filter) or light emitting diodes (LEDs).

Other common names:

Rope lights, fairy lights, string lights, Christmas lights, party lights

Does not include:

- Lights installed directly into a building's wiring system (e.g. fluorescent lights installed into ceilings of homes and offices)
- Non mains-powered lighting chain (e.g. battery operated decorative lighting chains )
- Individual lamps/ bulbs that are not connected to one another

Safety tips for decorative lighting can be found [here](#)

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## Electric wall switches

Mechanical switches that control the supply of electricity using physical contacts that touch to complete electrical circuits, and separate to break electrical circuits. These switches require physical toggling such as pressing down on a button to work, as such it is extremely uncommon for them to have remote control capabilities. These switches are intended for control of power to fixed-electrical installations, which are electrical wiring, electrical machinery and electrical components fixed to a building.

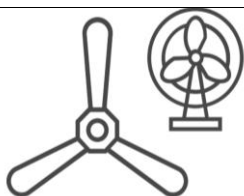
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Examples of products under this category:

Mechanical wall switches for ceiling lights and fans

Does not include:

- Switches without physical moving parts that do not require physical toggling to be switched on or off. Electronic switches can usually be remotely operated from a distance.
- Switches with rated voltage exceeding 440 V
- Switches with rated current exceeding 63 A



## Fans

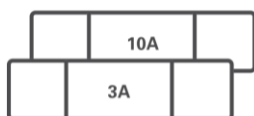
Fans are electrical appliances that circulate air in the vicinity. Bladeless fans also fall under this product category.

Types of products under this category are limited to:

Ceiling fans, table fans, standing fans, wall fans

Does not include:

Non mains-powered fans (e.g. battery powered handheld fans)



## Fuses ( $\leq 13$ amperes) for use in plugs

Single use safety device designed to cut off power to the appliance if the electric current strength exceeds the set value.

Does not include:

- Fuses with rating exceeding 13 amperes
- Fuses not intended for use in plugs

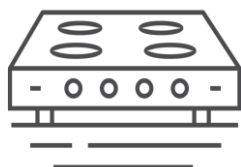


## Gas canisters

Non-refillable Liquefied Petroleum Gas (LPG) canisters for use with a portable gas cooker.

Does not include:

- Gas canisters with a capacity more than 1.4 litres
  - Refillable LPG cylinders that supply gas to LPG installations
- 



## Gas cooking appliances

Appliances that produce fires for cooking, using a combustible gas as fuel.

Examples of products under this category:

- Larger gas cooking appliances fuelled by either the gas mains or Liquid Petroleum Gas (LPG) cylinders (e.g. built in gas hobs, free standing gas cookers, table gas cookers)
- Smaller portable gas cookers fuelled only by non-refillable, replaceable LPG canisters; these canisters have a capacity of less than 1.4 litres

Does not include:

- Gas torches used for flambéing
  - Camping stoves not fuelled by separate detachable LPG canisters (e.g. solid-fuel stoves, camping stoves with inbuilt, non-replaceable fuel source)
- Safety tips for portable gas cookers can be found [here](#)
  - Safety tips for gas cookers with toughened glass can be found [here](#)
-



## Hair care appliances

Mains powered household electrical appliances for hair care.

Types of products under this category are limited to:

Hair dryers, hair curlers, hair straighteners, hair stylers

Does not include:

- Other haircare appliances (e.g. Hair clippers, hair shavers)
- Non mains-powered hair care appliances (e.g. battery powered hair dryers)

Safety tips for hair straighteners can be found [here](#)

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## Home computer systems

The computer's central processing unit (CPU) as well as any mains powered peripherals that are connected to the CPU; connections can be either physical or via an electronic network (e.g. using Wi-Fi).

Examples of products under this category:

Printers, monitors, Wi-Fi routers

Does not include:

- Non mains-powered products (e.g. USB mice, wireless keyboards)
- 



## Irons

Electrical hand-held appliance with heated soleplate that is pressed against fabric to straighten it. The soleplate is the heated flat portion of the iron which comes in contact with fabric during ironing; it is the soleplate that conducts heat for straightening fabrics.

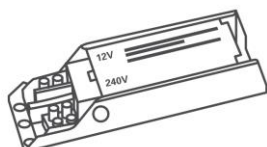
Does not include:

- Irons without heated soleplates (e.g. garment steamers)
-

- Irons with separate boiler/reservoir exceeding 5 litres

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## Isolating transformers



Isolating transformers both convert power drawn from the electrical mains into a (typically lower) voltage that an electronic appliance can use, as well as provide added protection from electric shocks by isolating the appliance from the power source. Only isolating transformers intended to be installed with downlights fall into this category of controlled goods; Care should be taken when replacing isolating transformers, as different isolating transformers and downlights can be incompatible.

Does not include:

Isolating transformers intended for functions other than installation with downlight fitting

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## Kitchen machines

Household appliances for preparing food or drinks; no heating is involved in the preparation process, which involves mechanical movements such as blending, grinding and cutting.

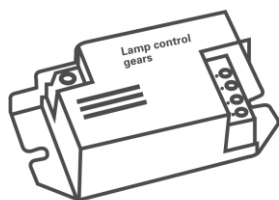
Examples of products under this category:

Automatic food processors, mincers, food slicers, mixers, blenders

Does not include:

Non mains-powered products (e.g. hand powered mixers)

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## Lamp control gears (Ballast/LED driver)

Devices that regulate the power supplied to fluorescent or light emitting diode (LED) lights to prevent excessive current draw (which causes overheating). Although they perform similar functions, Control gears for fluorescent lighting (Ballast) and LED lights (LED drivers) work using different principles and are non-interchangeable. Care should be taken when replacing control gears, as different control gears and lamps may be incompatible.

Types of products under this category are limited to:

- Control gears sold as individual components and not as part of a complete end-product.
- Control gears that can be easily removed (with or without tools) from end-product (e.g. a lamp) without resulting in (1) damage to the end-product or (2) having to replace parts/materials of end-product

Does not include:

Control gears that are a part of a complete product and cannot be easily removed without the use of tools (e.g. a non-detachable control gear incorporated into an end product such as a lamp or LED downlight)



## Liquid heating appliances

Electrical appliances intended for household use to heat liquids for drinking.

Types of products under this category are limited to:

Electric kettles, electric air pots, electric hot water dispensers

Does not include:

- Liquid heating appliances with capacity over 10 litres
- Non mains-powered liquid heating appliances (e.g. non-powered kettles)





## Mains socket-outlets

Electrical device with 13-amp or 15-amp 3-pin socket outlet. Designed to be mounted on a suitable surface to connect to the mains supply. Mains socket-outlets with USB ports also fall under this category.

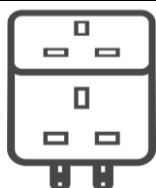
The following product(s) does not qualify for Safety Mark and should not be sold for domestic use:

Socket outlets that are not in the configurations for Singapore's 13-amp (rectangular) or 15-amp (round) 3-pin plugs (e.g. universal socket outlets)



## Microwave ovens

Electrical appliances that utilize high-frequency electromagnetic waves (microwaves) to heat food or drinks.

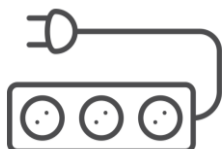


## Multi-way adaptors

Passive adaptor that allows multiple plugs to connect to a single socket outlet.

Does not include:

- Travel adaptors with adjustable plug pins and socket contacts, which allows connection of otherwise incompatible plug and socket outlet.
- Single way adaptors, whether or not they have additional functions (e.g. Single way adaptor with RCCB function)



## Portable socket-outlets

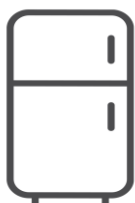
Consists of socket outlet(s) attached to the end of a flexible electrical cable, with a mains plug on the other end. Portable-socket outlets with USB ports also fall under this category.

Types of products under this category are limited to:

Portable socket outlet, cable reel

The following product(s) does not qualify for Safety Mark and should not be sold for domestic use:

Devices incorporating socket outlets that are not in the configurations for Singapore's 13-amp (rectangular) or 15-amp (round) 3-pin plugs (e.g. universal socket outlets)

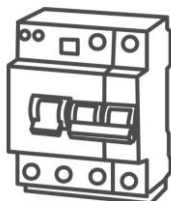


## Refrigerators

Electrical appliance operating on the vapour compression principle to maintain low temperatures for food storage/ preservation.

Does not include:

Non mains-powered products (e.g. portable car freezers )



## Residual Current Circuit Breakers (RCCB)

RCCBs rapidly and automatically shut off the electricity supply upon detecting potentially hazardous electrical faults (i.e. leakage currents). Properly installed and maintained RCCBs should trip quickly enough to prevent any harmful electrical incidents.

Types of products under this category are limited to:

RCCBs

Does not include:

- **Miniature Circuit Breakers (MCBs)**  
Cuts off power in the event of an electrical overload
- **Isolator Switches**  
Helps ensure electrical circuit is completely de-energized to allow access for service/maintenance
- **Distribution Boards**  
Houses RCCBs and other electrical components



## Rice cookers

Electrical appliance for cooking rice.

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## Room air conditioners

Electrical appliance that provides cold (conditioned) air to an enclosed area. This category only includes self-contained units (without separate compressor and additional indoor air conditioning units) intended to be mounted on a window or through a wall.

Types of products under this category are limited to:

Wall mounted air conditioners, window mounted air conditioners

Does not include:

- Air conditioning units with a separate outdoors compressor unit (e.g. central air conditioning units, split air conditioning units)
  - Portable air conditioners that do not need to be installed in a fixed location and can be relocated within the home; usually wheeled for easier mobility
- 



## Stationary cooking appliances

Stationary electrical appliances for household cooking. These appliances cannot be easily moved as they are either built into other furniture or large sized.

Types of products under this category are limited to:

Electrical cooking ranges, electrical hobs, electrical ovens

Does not include:

Three phase mains-powered products with rated voltage more than 480 volts AC

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## Table/standing lamps

Electric powered table lamps and standing lamps. Lamps with light emitting diode (LED) lights, and lamps with incandescent lights both fall under this category.

Types of products under this category are limited to:

Table lamps, standing lamps

Does not include:

Non mains-powered lamps (e.g. battery powered lamps)

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## Toaster, grill, roaster, hot plate, deep fryer, wok and similar appliances

Electric household appliances that use heat to cook food. The various appliances with cooking functions (e.g. baking, roasting and grilling), that involve heating of food fall under this category.

Examples of products under this category:

Hotplates, toasters, waffle irons, deep fryers, electric woks, air fryers

Does not include:

Non mains-powered appliances (e.g. charcoal grills)

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## Vacuum cleaners

Electrical portable appliance intended for household use to remove dirt or dust.

Does not include:

- Autonomous robotic vacuum cleaners (e.g. Roombas)
  - Non mains-powered products (e.g. battery powered portable vacuum cleaners)
-



## Washing machines

Electrical appliance intended for washing clothes and textiles

Examples of products under this category:

Washer cum dryer, twin-tub washing machine, top-loading washing machine, front-loading washing machine

Safety tips for washing machines can be found [here](#)

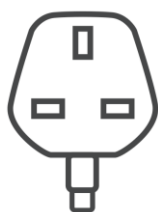


## Water heaters

Electrical appliance that heats water for uses other than drinking (commonly for bathing). These appliances should never heat water up to boiling temperatures, and appliances that can boil water do not fall under this category.

Limited to the following types of product:

Instantaneous electric water heaters, mains pressure electric storage water heaters



## 3-pin plugs

13-amp and 15-amp 3-pin plugs for Singapore. Mains plugs from overseas are different from those used in Singapore. Users should ensure correct plugs are used with local wall sockets to prevent electrocution.

Limited to the following types of product; 3-pin plugs other than the types shown below do not qualify for the Safety Mark and should not be supplied for domestic use



'British Type' 13-amp  
3-pin plugs



'British Type' 15-amp  
3-pin plugs

Safety tips for mains plugs can be found [here](#)

### **Products not considered Controlled Goods (CGs)**

The following types of products are not intended for domestic/household use, and are therefore not regulated as CGs under the CPSR. Consumers using these products should be aware of their specialized usage and maintenance requirements, and otherwise buy or use these products at their own risk

#### **Non-domestic products**

Industrial products intended solely for commercial use are not considered CGs. These are usually heavy duty products working on a larger scale compared to similar domestic appliances. Some examples of such products include hooded stand hair dryers (commonly found in salons) and commercial ovens/stoves (commonly found in bakeries and restaurants).

#### **High voltage products**

Single phase mains-powered products with rated voltage more than 250 volts AC are not considered CGs. These products exceed the single phase residential mains voltage supplied in Singapore (230 volts AC). A product's rated voltage should be clearly stated on its rating label.