

## **II. NON-SPECIFIED PRODUCTS (NSP's)**

**CERTIFICATE VALID YEAR: 5 years**

<b>PRODUCT CATEGORIES AND PRODUCT NAMES</b>
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<b>CABLES, CORDS [Rubber Insulated Cables and Cords]</b>
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Cables as noted below:

1. Cables (limited to those having conductors of nominal cross sectional areas of 22 mm<sup>2</sup> or more and 100 mm<sup>2</sup> or less, having cores composed of seven strands or less, and having sheaths of rubber [including synthetic rubber] or plastic, limited to those having a rated voltage between 100 V and 600 V)
2. Heating cables

<b>CABLES, CORDS [Synthetic Resin Insulated Cables and Cords]</b>
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Cables as noted below:

1. Fluorescent lamp cables (limited to those having conductors of nominal cross sectional area of 100 mm<sup>2</sup> or less)
2. Neon tube cables (limited to those having conductors of nominal cross sectional area of 100 mm<sup>2</sup> or less)
3. Cables (limited to those having conductors of nominal cross sectional areas of more than 22 mm<sup>2</sup> but not more than 100 mm<sup>2</sup>, having cores composed of seven strands or less, and having sheaths of rubber [including synthetic rubber] or plastic), limited to those having a rated voltage between 100 V and 600 V)
4. Heating cables

## **CONDUITS [Metal Conduits]**

Wireways as noted below (excluding those constructed of copper or bronze, or explosion-proof types):

1. Conduits (limited to those with inner diameter of 120 mm<sup>2</sup> or less including flexible conduits):

- (1) Metal conduits
- (2) Class I flexible metal conduits
- (3) Class II flexible metal conduits
- (4) Other flexible metal conduits

2. Underfloor ducts (limited to those with a width of 100 mm<sup>2</sup> or less):

- (1) Metal under floor ducts

3. Raceways (limited to those with a width of 50 mm<sup>2</sup> or less):

- (1) Class I metal raceways
- (2) Class II metal raceways

## **CONDUITS [Metal Conduit Fittings]**

1. Fittings of conduits (limited to those connected to the conduits (120 mm diameter or less), the underfloor ducts (100 mm wide or less), and the raceways (50 mm wide or less), or those connected to the ends of said conduits, underfloor ducts, or raceways, but excluding reducers or explosion proof type or those made of copper or brass):

- (1) Metal couplings
- (2) Metal normal bends
- (3) Metal elbows
- (4) Metal tees
- (5) Metal crosses
- (6) Metal caps
- (7) Metal connectors
- (8) Metal boxes
- (9) Metal bushings
- (10) Other metal fittings of rigid conduits or flexible conduits

2. Cable wiring switch boxes (excluding those made of copper or brass and explosion proof type)

## **CONDUITS [Plastic Conduits]**

Wireways as noted below (limited to those with inner diameter of 120 mm<sup>2</sup> or less including flexible conduits):

- (1) Plastic conduits
- (2) Pliable plastic conduits
- (3) CD conduits

## **CONDUITS [Metal Conduit Fittings]**

1. Fittings of conduits (limited to those connected to the conduits (120 mm diameter or less), or those connected to the ends of said conduits but excluding reducers or explosion proof type):

- (1) Plastic couplings
- (2) Plastic normal bends
- (3) Plastic elbows
- (4) Plastic connectors
- (5) Plastic boxes
- (6) Plastic bushings
- (7) Plastic cap
- (8) Other plastic fittings of rigid conduits or flexible conduits

2. Cable wiring switch boxes

## **FUSES**

Fuses as noted below (limited to those having a rated voltage between 100 V and 300 V and those having a rated current between 1 A and 200 A [in the case of fuses for electrical motors, limited to those used with motors rated 12 kW or less], and used a.c. current circuits, and excluding speed fuses used for semiconductor protectors):

- (1) Cartridge fuses
- (2) End contact plug fuses

## **WIRING DEVICES**

1. Remote control relays (limited to those with a rated voltage between 100 V and 300 V and a rated current of 30 A or less and used in a.c. circuits. Explosion proof type, oil-filled type, and those specially designed for built into machinery are excluded):
2. Switching devices as noted below (limited to those with a rated voltage between 100 V and 300 V and a rated current of 100 A or less [switching devices for electric motors are limited to those for motors rated 12 kW or less] and used in a.c. circuits. Explosion proof type, oil-filled type and those specially designed devices incorporated in appliances are excluded):
  - (1) Cutout switches
  - (2) Covered knife switches
  - (3) Panelboard unit switches
  - (4) Electromagnetic switches (limited to those contained in enclosures which either have overcurrent disconnection mechanisms, or include fuses)
3. Lighting tracks (limited to those having a rated voltage between 100 V and 300 V, a rated current of 50 A or less, having 5 or fewer terminals, and including a switching mechanism other than a time switch mechanism. Explosion proof type or oil-filled type is excluded.)
4. Lighting track fittings (limited to those having a rated voltage between 100 V and 300 V, a rated current of 50 A or less, having 5 or fewer terminals, and including a switching mechanism other than a time switch mechanism. Explosion proof or oil-filled types are excluded.):
  - (1) Lighting track couplings
  - (2) Lighting track elbows
  - (3) Lighting track tees
  - (4) Lighting track crosses
  - (5) Lighting track feed-in boxes
  - (6) Lighting track end caps

5. Lighting track connectors (limited to those having a rated voltage between 100 V and 300 V, a rated current of 50 A or less, having 5 or fewer terminals, and including a switching mechanism other than a time switch mechanism.

Explosion proof type or oil-filled type is excluded.):

- (1) Lighting track plugs
- (2) Lighting track adapters
- (3) Other lighting track fittings and connectors

## **TRANSFORMERS AND BALLASTS**

1. Single-phase small power transformers as noted below (limited to those having a rated voltage between 100 V and 300 V, a rated frequency of 50 Hz or 60 Hz, a rated capacity not more than 500 VA, and intended for use with a.c. circuits, but excluding those specially designed for built into machinery):

- (1) Transformers for bells
- (2) Transformers for indicators
- (3) Transformers for remote control relays
- (4) Transformers for neon tubes
- (5) Transformers for fire lighters (limited to those intended for use of ignition, but excluding pulse type)

2. Voltage regulators (limited to those having a rated voltage between 100 V and 300 V, a rated frequency of 50 Hz or 60 Hz, a rated capacity of 500 VA or less, and intended for use with a.c. circuits, but excluding those specially designed for built into machinery)

3. Discharge lamp ballasts as noted below (limited to those having a rated primary voltage between 100 V and 300 V, a rated frequency of 50 Hz or 60 Hz, a rated total wattage of applicable lamps of 500 W or less):

- (1) Ballasts for sodium vapor lamps (excluding those specially designed for built into machinery except luminaires)
- (2) Ballasts for germicidal lamps

## **SMALL AC ELECTRIC MOTORS**

1. Small A.C. motors as noted below (limited to those with a rated voltage between 100 V and 300 V, a rated frequency of 50 Hz or 60 Hz, but excluding those of pole-transforming type or explosion-proof type, those of special construction for use in spinning machines, use in metal rolling machines, or use in medical equipment, and those specially designed for built in machinery

except sewing machines):

- (1) Repulsion start induction motors
  - (2) Split-phase start induction motors
  - (3) Capacity-start induction motors
  - (4) Capacity-run induction motors
  - (5) Commutator motors
  - (6) Shaded pole induction motors
  - (7) Other single-phase motors
2. Squirrel-cage three-phase induction motors (limited to those with a rated voltage between 150 V and 300 V and with a rated output of 3 kW or less, a rated frequency of 50 Hz or 60 Hz, but excluding those of short rating type, pole-transforming type or explosion-proof type, those of special construction for use in spinning machines, use in metal rolling machines, or use in medical equipment, and those specially designed for built into machinery except sewing machines)

## **ELECTRIC HEATING APPLIANCES**

Heating appliances as noted below (limited to those with a rated voltage between 100 V and 300 V, and a rated power consumption of 10 kW or less, and for use with a.c. circuits):

- (1) Electric footwarmers
- (2) Electric slippers
- (3) Electric knee rugs
- (4) Electric floor cushions
- (5) Electric carpets
- (6) Electric underblankets
- (7) Electric blankets
- (8) Electric comforters (Futon)
- (9) Electric anka
- (10) Electric seat chair covers
- (11) Electric heated chairs
- (12) Electric kotatsu
- (13) Electric room heaters
- (14) Japanese electric heaters (Hibachi)
- (15) Other electric heating appliances for body heating purposes (excluding electric heated toilet seats and heated nursing devices)
- (16) Electric toasters
- (17) Electric ovens
- (18) Electric fish roasters
- (19) Electric roasters
- (20) Electric ranges
- (21) Electric buffet ranges
- (22) Electric sausage roasters
- (23) Electric waffle irons
- (24) Electric takoyaki griddles
- (25) Electric cooking heating plates
- (26) Electric frying pans
- (27) Electric rice cookers
- (28) End electric jars
- (29) Electric deep frying pans
- (30) Electric fryers
- (31) Electric boiled egg makers
- (32) Electric warming boards
- (33) Electric warming trays
- (34) Electric milk warmers
- (35) Electric kettles
- (36) Electric coffee makers
- (37) Electric tea servers
- (38) Electric ricewine warmers
- (39) Electric bains marie

- (40) Electric steamers
- (41) Electromagnetic cookers
- (42) Other electric heating appliances for cooking purpose (Excluding electric warm food stores)
- (43) Electric hot water heaters for shaving
- (44) Electric curling irons
- (45) Electric hair curlers
- (46) Electric hair steamers
- (47) Other electric heating appliances for skin or hair care
- (48) Electric heated knives
- (49) Electric melters
- (50) Electric pottery kilns
- (51) Electric soldering irons
- (52) Electric heaters for irons
- (53) Other electric heating tools for handwork and handicraft
- (54) Electric hot hand towel steamers
- (55) Electric sterilizers (limited to those with electric heating elements)
- (56) Electric air humidifiers
- (57) Electric clothes steamers
- (58) Electric immersion heaters
- (59) Electric instantaneous water heaters
- (60) Thermostatic developing trays
- (61) Electric heating boards
- (62) Electric heating floor sheets
- (63) Electric heating floor mats
- (64) Electric dryers
- (65) Electric clothes pressers (limited to those used for textile products)
- (66) Electric plant nurseries
- (67) Electric incubators
- (68) Electric brooders
- (69) Electric irons
- (70) Electric flatirons
- (71) Electric plastic welders (excluding high-frequency welders)
- (72) Electric aromatic burners
- (73) Insect killers (vaporizing type)
- (74) Electric moxibustion appliances

## **ELECTRIC MOTOR-OPERATED OR MAGNETICALLY DRIVEN APPLIANCES**

Electric motor-operated appliances as noted below (limited to those with a rated voltage between 100 V and 300 V and a rated frequency of 50 Hz or 60 Hz, for use with a.c. current circuits):

- (1) Belt conveyors (limited to portable types)
- (2) Electric refrigerators (limited to those equipped with cooling devices with rated power consumption of 500 W or less)
- (3) Electric freezers (limited to those equipped with cooling devices with rated power consumption of 500 W or less)
- (4) Electric ice makers (limited to those equipped with cooling devices with rated power consumption of 500 W or less)
- (5) Electric water coolers (limited to those equipped with cooling devices with rated power consumption of 500 W or less)
- (6) Air compressors (limited to those with rated power consumption of 500 W or less, but excluding those specially designed for built into machinery)
- (7) Electric sewing machines
- (8) Electric pottery wheels
- (9) Electric pencil sharpeners
- (10) Electric stirring machines (limited to those with a rated power consumption of 500 W or less)
- (11) Electric scissors
- (12) Electric insect traps
- (13) Electric grass shears
- (14) Electric hedge trimmers
- (15) Electric lawn mowers
- (16) Electric threshing
- (17) Electric rice hulling machines
- (18) Electric straw dampers
- (19) Electric straw-rope making machines
- (20) Egg selectors
- (21) Egg washers
- (22) Electric garden cultivators
- (23) Electric sea tangle (konbu) processors (limited those with a rated power consumption of 500 W or less)
- (24) Dried cuttlefish processors (limited those with a rated power consumption of 500 W or less)
- (25) Electric juice squeezers (limited to those equipped with motors with a rated power consumption of 500 W or less)
- (26) Juice blenders (limited to those equipped with motors with a rated power consumption of 500 W or less)
- (27) Food processors (limited to those equipped with motors with a rated power consumption of 500 W or less)
- (28) Electric noodle makers (limited to those equipped with motors with a rated

- power consumption of 500 W or less)
- (29) Electric rice cake (mochi) makers (limited to those with a rated power consumption of 500 W or less)
- (30) Electric coffee mills (limited to those equipped with motors with a rated power consumption of 500 W or less)
- (31) Electric can openers
- (32) Electric mincers (limited to those with rated power consumption of 1 kW or less)
- (33) Electric meat choppers (limited to those with rated power consumption of 1 kW or less)
- (34) Electric bread slicers (limited to those with rated power consumption of 1 kW or less)
- (35) Electric dried bonito planers (limited to those with a rated power consumption of 500 W or less)
- (36) Electric ice flakers (limited to those with a rated power consumption of 500 W or less)
- (37) Electric rice washers (limited to those with a rated power consumption of 1 kW or less)
- (38) Electric vegetable washers (limited to those with a rated power consumption of 1 kW or less)
- (39) Electric dishwashers (limited to those equipped with motors with a rated power consumption of 500 W or less)
- (40) Electric rice polishers (limited to those with a rated power consumption of 500 W or less)
- (41) Electric tea leaf roasters (limited to those equipped with motors with a rated power consumption of 500 W or less)
- (42) Wrapping machines (limited to those with a rated power consumption of 500 W or less)
- (43) Hand towel wrapping machines (limited to those with a rated power consumption of 500 W or less)
- (44) Packaging machines (limited to those with a rated power consumption of 500 W or less)
- (45) Electric table clocks
- (46) Electric wall clocks
- (47) Automatic print fixing baths (limited to those with a rated power consumption of 500 W or less)
- (48) Automatic print washers (limited to those with a rated power consumption of 500 W or less)
- (49) Electric mimeograph machines
- (50) Office printing machines (limited to those for printing materials of not more than 515 mm in length, and of not more than 364 mm in width)
- (51) Addressing machines
- (52) Time recorders
- (53) Time stamps
- (54) Electric typewriters
- (55) Electric account selectors

- (56) Shredders
- (57) Electric paper cutters
- (58) Electric collators
- (59) Electric staplers
- (60) Electric paper punchers
- (61) Numbering machines
- (62) Checkwriters
- (63) Coin counters
- (64) Bill counters
- (65) Label tagging machines
- (66) Laminators
- (67) Laundry finishing machines
- (68) Laundry folding machines
- (69) Handtowel rolling machines (limited to those equipped with motors with a rated power consumption of 500 W or less)
- (70) Vending machines (excluding "Specified" vending machines) and those for issuing tickets)
- (71) Money changers
- (72) Electric barber chairs
- (73) Electric toothbrushes
- (74) Electric brushes
- (75) Electric hair dryers
- (76) Electric shavers
- (77) Electric hair clippers
- (78) Electric nail polishers
- (79) Other electric motor-operated appliances or magnetically-driven appliances for skin or hair care
- (80) Electric room fans (limited to those with a rated power consumption of 300 W or less)
- (81) Electric circulation fans (limited to those with a rated power consumption of 300 W or less)
- (82) Ventilation fans (limited to those with a rated power consumption of 300 W or less)
- (83) Blowers (limited to those with a power consumption of 500 W or less, and excluding those specially designed to be incorporated in machinery)
- (84) Electric room air-conditioners (limited to those whose motors have a total rated power consumption of 7 kW or less, and in the case of the items having a heating device, limited to those whose heating elements have a rated power consumption of 5 kW or less)
- (85) Electric cooled air fans (limited to those with a rated power consumption of 300 W or less)
- (86) Electric dehumidifiers (limited to those equipped with cooling devices having a rated power consumption of 500 W or less)
- (87) Electric fan-coil units (limited to those with a rated power consumption of 30 W or less)
- (88) Electric fan convectors (limited to those with a rated power consumption of

- 30 W or less)
- (89) Electric hot air heaters (limited to with a rated power consumption of 500 W or less, and using gas or oil as a heat source)
  - (90) Electric fan-forced air heaters (limited to those equipped with heating devices with a rated power consumption of 5 kW or less)
  - (91) Electric humidifiers (limited to those equipped with cooling devices with a rated power consumption of 500 W or less)
  - (92) Electric air cleaners (limited to those with a rated power consumption of 500 W or less)
  - (93) Electric deodorizers
  - (94) Electric fragrance diffusers
  - (95) Electric vacuum cleaners (limited to those with a rated power consumption of 1 kW or less)
  - (96) Electric record cleaners (limited to those with a rated power consumption of 1 kW or less)
  - (97) Electric blackboard eraser cleaners (limited to those with a rated power consumption of 1 kW or less)
  - (98) Other electric dust absorbers (limited to those with a rated power consumption of 1 kW or less)
  - (99) Electric floor polishers (limited to those with a rated power consumption of 1 kW or less)
  - (100) Electric shoe polishers
  - (101) Electric washing machines for sports goods or recreational goods (limited to those using electric motors or electromagnetic vibrators with a rated power consumption of 1 kW or less)
  - (102) Electric washing machines (limited to those equipped with motors or electromagnetic vibrators with rated power consumption of 1 kW or less)
  - (103) Electric spin extractors (limited to centrifugal types using electric motors with a rated power consumption of 1 kW or less, and used for extracting water from textile products)
  - (104) Electric tumbler dryers (limited to those with a rated power consumption of 10 kW or less, but excluding hair dryers)
  - (105) Electric musical instruments
  - (106) Electric music boxes
  - (107) Electric bells (excluding explosion-proof types and those specially designed for built into machinery)
  - (108) Electric buzzers (excluding explosion-proof types and those specially designed for built into machinery)
  - (109) Electric chimes (excluding explosion-proof types and those specially designed for built into machinery)
  - (110) Electric sirens (excluding explosion-proof types and those specially designed for built into machinery)
  - (111) Electric grinders (limited to those with rated power consumption of 1 kW or less)
  - (112) Electric drills (limited to those with rated power consumption of 1 kW or less)

- (113) Electric planers (limited to those with rated power consumption of 1 kW or less)
- (114) Electric saws (limited to those with rated power consumption of 1 kW or less)
- (115) Electric screwdrivers (limited to those with rated power consumption of 1 kW or less)
- (116) Electric sanders (limited to those with rated power consumption of 1 kW or less)
- (117) Electric polishers (limited to those with rated power consumption of 1 kW or less)
- (118) Electric metal cutting machines (limited to those with rated power consumption of 1 kW or less)
- (119) Electric hand shears (limited to those with rated power consumption of 1 kW or less)
- (120) Electric groovers (limited to those with rated power consumption of 1 kW or less)
- (121) Electric mortisers (limited to those with rated power consumption of 1 kW or less)
- (122) Electric tube cleaners (limited to those with rated power consumption of 1 kW or less)
- (123) Electric scaling machines (limited to those with rated power consumption of 1 kW or less)
- (124) Electric tappers (limited to those with rated power consumption of 1 kW or less)
- (125) Electric nut runners (limited to those with rated power consumption of 1 kW or less)
- (126) Electric cutting blade polishers (limited to those with rated power consumption of 1 kW or less)
- (127) Other electric power tools (limited to those with rated power consumption of 1 kW or less)
- (128) Electric fountains
- (129) Electric mist sprayers (limited to those with rated power consumption of 1 kW or less)
- (130) Electric inhalators
- (131) Finger pressure (shiatsu) simulators (excluding electric massagers)
- (132) Other household electric motor-operated or magnetically driven appliances for household therapeutic use
- (133) Electric game machines
- (134) Electric hot-water circulator/purifiers for bathtubs (generic name: 24-hour bath, limited to those equipped with heating devices with a rated power consumption of 1.2 kW or less)

## **APPLIANCES USING LIGHT SOURCES**

Luminaires and optical appliances and machines as noted below (limited to those with a rated voltage between 100 V and 300 V, and a rated frequency of 50 Hz or

60 Hz, for use with a.c. circuits):

- (1) Photographic printers
- (2) Microfilm readers (limited to those with a screen of 500 mm or less in length, and excluding those equipped with automatic search devices, or automatic continuous printing devices)
- (3) Slide projectors (excluding those for use with television or those using a xenon-arc lamp house as the light source)
- (4) Overhead projectors (excluding those for use with television or those using a xenon-arc lamp house as the light source)
- (5) Episcopes (limited to those with a rated power consumption of 2 kW or less, but excluding those for use with television, or those using a xenon-arc lamp house as the light source)
- (6) Viewers
- (7) Electronic flash apparatuses (limited to portable types with a rated accumulated power capacity of 1.5 kW-second or less, and excluding those for use in microscopes or medical equipment, or those having other special construction)
- (8) Photographic enlargers (limited to those having openings for negative holders of 125 mm or less in length and 100 mm or less in width, and in the case of photographic enlargers, excluding those equipped with automatic exposure devices or automatic photographic paper feeders)
- (9) Photographic enlarger lamphouses (limited to those having openings for negative holders of 125 mm or less in length and 100 mm or less in width, and in the case of photographic enlargers, excluding those equipped with automatic exposure devices or automatic photographic paper feeders)
- (10) Incandescent lamps (limited to those for general illumination use, with outer receptacle diameters of not less than 26.03 mm but not more than 26.34 mm)
- (11) Fluorescent lamps (limited to those with a rated power consumption of 40 W or less)
- (12) Pedestal lighting fixtures,
- (13) Household pendant fluorescent lamp lighting fixtures
- (14) Handlamps
- (15) Garden lighting fixtures
- (16) Decorative lighting fixtures (limited to those using cap less lamps or having sockets with or inner receptacle diameter of 15.5 mm or less)
- (17) Other incandescent lamp fixtures (excluding-explosion proof type)
- (18) Other electric discharge lamp fixtures (excluding-explosion proof type)
- (19) Advertising lights
- (20) Egg testers
- (21) Electric sterilizers (limited to those equipped with sterilizing lamps)
- (22) Household therapeutic ray apparatuses
- (23) Rechargeable flashlights
- (24) Copying machines (limited to those whose light source has a rated output of 1.2 kW or less)

## **ELECTRONIC APPIANCES**

Electronic appliances, as noted below (limited to those having a rated voltage between 100 V and 300 V, having a rated frequency of 50 Hz or 60 Hz, and for use in a.c. current circuits):

- (1) Electronic clocks
- (2) Electronic tabletop calculators
- (3) Electronic cash registers
- (4) Electronic refrigerators
- (5) Interphones
- (6) Electronic musical instruments
- (7) Radio receivers
- (8) Tape recorders,
- (9) Record players,
- (10) Juke boxes
- (11) Other audio equipment
- (12) Video tape recorders
- (13) Demagnetizers
- (14) Television receivers (excluding commercial-use television receivers)
- (15) Television receiver boosters
- (16) High-frequency welders (limited to those with a rated high-frequency output of 2.5 kW or less)
- (17) Microwave ovens
- (18) Ultrasonic rat exterminators
- (19) Ultrasonic humidifiers (limited to those with a rated high frequency output of 50 W or less)
- (20) Ultrasonic cleaners (limited to those with a rated high frequency output of 50 W or less)
- (21) Electronic amusement machines (limited to those used by connection to a television receiver, or those equipped with a cathode ray tube)
- (22) Household low frequency therapeutic appliances
- (23) Household ultrasonic therapeutic appliances (limited to those with a rated high-frequency output of 50 W or less)
- (24) Household short wave therapeutic appliances (limited to those with a rated high-frequency output of 50 W or less)

## **OTHER AC ELECTRIC APPLIANCES**

A.C. appliances and machines as noted below (limited to those having a rated voltage between 100 V and 300 V, and a rated frequency of 50 Hz or 60 Hz):

- (1) Furniture with lamps
- (2) Furniture with socket outlets
- (3) Furniture with electrical appliances
- (4) Electric dimmers (limited to those with rated capacity of 1 kVA or less)

- (5) Electric pencils
- (6) Leakage current detectors
- (7) Burglar alarms
- (8) Arc welding machines (in case of those having a rated voltage exceeding 150 V, the rated secondary current of 130 A or less)
- (9) Electrical interference suppression devices (limited to those which prevent the transmission of a high-frequency current causing noise in television receivers or radio receivers and consisting of capacitors or a combination of capacitors and coils as main components and excluding those with a rated current exceeding 5 A, and those specially designed to be incorporated in appliances)
- (10) Producers of medical materials
- (11) Household electric potential therapeutic appliances
- (12) Electric refrigerators (limited to absorption types)
- (13) Electric fence energizers

### **Lithium-ion Batteries**

Limited to those consisting of secondary cell of which energy density is not less than 400Wh/L, but excluding those used for automobiles, motorcycles, medical appliances, industrial appliances, and those designed to fix to appliances by soldering or other joining methods so that it cannot be easily removed, or those having other special construction.