Safety, Environmental, and Regulatory Information

Notes, Cautions, and Warnings

NOTE: A NOTE indicates important information that helps you make better use of your computer.

CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

WARNING: A WARNING indicates a potential for property damage, personal injury, or death.

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General Safety Information

Use the following safety guidelines to help ensure your own personal safety and to help protect your equipment and working environment from potential damage.

You can find additional Safety Best Practices information on the Regulatory Compliance Homepage on **www.dell.com** at the following location: **www.dell.com/regulatory_compliance.**

NOTE: In this document, *product*, *equipment*, and *device* are used interchangeably and refer to all portable devices (such as computers, port replicators, media bases, docking stations, and similar devices), desktop computers, printers, and monitors.

WARNING: Use of controls, adjustments, procedures, connections, or signal types other than those specified in your documentation may result in exposure to shock, electrical hazards, and/or mechanical hazards.

CAUTION: Dell products are not intended for use in patient health care environments unless specially designated.

CAUTION: Dell products are not designed for use in flammable or explosive environments.

When setting up the equipment for use:

- Place the equipment on a hard, level surface.
- Do not stack the equipment, place it in an enclosed space, or otherwise install it where it is subject to heated air. The equipment should have least 10.2 cm (4 in) of clearance on all vented sides to permit the airflow required for proper ventilation. Restricting airflow can damage the equipment or cause overheating.
- If your device includes a modem, the cable used with the modem should be manufactured with a minimum wire size of 26 American wire gauge (AWG) and an FCC compliant RJ11 modular plug.

When operating your equipment:

WARNING: Do not operate your equipment with any cover(s) (including computer covers, bezels, filler brackets, front-panel inserts, etc.) removed.

WARNING: Do not use your equipment in a wet environment. Protect equipment from liquid intrusion.

- Do not use damaged equipment, including exposed, frayed, or damaged power cords.
- Disconnect your device and all peripherals (including an integrated or optional modem or TV tuner) from any wall connections during an electrical (lightning) storm or when you will be away for extended periods.
- Do not push any objects into the air vents or openings of your equipment. Doing so can cause fire or electric shock by shorting out interior components.

- Do not allow your portable computer or adapter to operate with the base resting directly on exposed skin for extended periods of time. The surface temperature of the base will rise during normal operation, particularly when AC power is present. Allowing sustained contact with exposed skin can cause discomfort or burn.
- Contact Dell (or an authorized dealer or service center for retail purchases) if your equipment does not operate normally.

When Working Inside Your Device

Do not attempt to service the equipment yourself, except as explained in your Dell documentation or in instructions otherwise provided to you by Dell.

Always follow installation and service instructions closely.

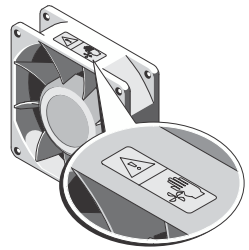
Some internal components, such as PC Cards, may become very warm during normal operation. Before touching any internal components, allow time for them to cool.

Disconnect all cables from the portable computer including the phone cable before opening the memory/modem access door.

This product may contain Optical Disk Drives (ODD), such as a CD-ROM, CDR/W, DVD drive, etc., which have built-in laser devices. To prevent any risk of exposure to laser radiation, do not disable or open any ODD assembly for any reason.

These ODDs comply with safety requirements and are classified as Class 1 Laser Products, under the US DHHS Standard and IEC/EN60825-1 Laser Safety Standard. These ODD devices contain no user adjustments nor any user serviceable or replaceable parts.

NOTE: Additional user information for your optical storage device may be available under the "Manuals" section at **support.dell.com**.



WARNING: Hazardous moving parts. Keep away from the moving fan blades.

NOTE: The fan module in your computer may not look exactly like the one shown in the illustration above.

Protecting Against Electrostatic Discharge

Electrostatic discharge (ESD) events can harm electronic components inside your equipment. To prevent ESD damage, you should discharge static electricity from your body before you interact with any of your equipment's internal electronic components by touching a metal grounded object, such as an unpainted metal surface on your computer's I/O panel. In addition, as you work inside the equipment, periodically discharge any static charge your body may have accumulated.

General Power Safety

Observe the following guidelines when connecting your equipment to a power source:

- Check the voltage rating before you connect the equipment to an electrical outlet to ensure that the required voltage and frequency match the available power source.
- Your device is equipped with either an internal power source or an external adapter. For internal power sources, your device is equipped with one of the following:
  - An auto-sensing voltage circuit - Devices with an auto-sensing voltage circuit do not have a voltage selection switch on the back panel and automatically detect the correct operating voltage.

  OR
  - A manual voltage selection switch - Devices with a voltage selection switch on the back panel must be manually set to operate at the correct operating voltage. Set the switch to the position that most closely matches the voltage used in your location.

NOTE: The switch on your system may be different than the one pictured.

CAUTION: To help avoid damaging a computer with a manual voltage selection switch, set the switch for the voltage that most closely matches the AC power available in your location.

- To prevent electric shock, plug the equipment power cables into properly grounded electrical outlets. If the equipment is provided with a 3-prong power cable, do not use adapter plugs that bypass the grounding feature, or remove the grounding feature from the plug or adapter.
- To remove a portable computer from all power sources, turn the computer off, disconnect the AC adapter from the electrical outlet, and remove any battery installed in the battery bay or module bay.

If your equipment uses an AC adapter:

- Use only the Dell-provided AC adapter approved for use with this device. Use of another AC adapter may cause a fire or explosion.
- Use only the following Dell AC adapter family with your laptop computer or docking device:
  - PP27L: PA-12 or PA-3E
  - PP30L: PA-12, PA-3E, or PA-4E
  - PP15S: PA-12, PA-20, or PA-2E
  - PP13S: PA-12, PA-2E or PA-3E
  - PP08X: PA-15 or PA-7E
  - PR02X/PR03X: PA-4E or PA-7E

  NOTE: Refer to your system rating label for information on the proper adapter model approved for use with your device.
- Place the AC adapter in a ventilated area, such as a desk top or on the floor, when you use it to run the computer or to charge the battery.
- The AC adapter may become hot during normal operation of your computer. Use care when handling the adapter during or immediately after operation.
- Do not use an auto adapter DC power cable connected via either an automobile cigarette lighter adapter or an empower-type connector in vehicles with high voltage (24 VDC), such as commercial transport vehicles.

Portable Device Battery Safety

WARNING: Using an incompatible battery may increase the risk of fire or explosion. Replace the battery only with a compatible battery purchased from Dell that is designed to work with your Dell computer. Do not use a battery from other computers with your computer.

A damaged battery may pose a risk of personal injury. Damage may include impact or shock that dents or punctures the battery, exposure to a flame, or other deformation. Do not disassemble the battery. Handle a damaged or leaking battery pack with extreme care. If the battery is damaged, electrolyte may leak from the cells or fire may result which may cause personal injury.

Do not expose (store or place) your computer or battery pack to a heat source such as a radiator, fireplace, stove, electric heater, or other heat-generating appliance or otherwise expose it to temperatures in excess of 65° C (149° F). When heated to excessive temperatures, battery cells could vent or explode, posing risk of fire.

Desktop Computer Coolant Safety

The following information applies to desktop computers equipped with a liquid cooling assembly:

- The liquid cooling assembly is not user serviceable or upgradeable. All required service should be performed by qualified service personnel only.
- The liquid cooling assembly in your system contains a non-refillable coolant. In the event of a coolant leak, shut down your system immediately, unplug your system from the power outlet, and then contact Dell Technical Support.
- In the event of skin contact with the coolant, immediately wash your skin with soap and water. Seek medical attention if irritation develops.
- In the event of eye contact with the coolant, immediately flush your eyes with water (with your eyes open) for at least 15 minutes. Seek medical attention if irritation persists.

Laser Printer Safety

WARNING: Using controls, making adjustments, or performing procedures other than those specified in your user documentation or in instructions provided to you by Dell may result in exposure to hazardous radiation.

Dell Laser Printers comply with safety requirements and are classified as Class 1 Laser Products, under the US DHHS Standard and IEC/EN60825-1 Laser Safety Standard. The radiation from the lasers emitted inside the printer is completely confined within protective housings and external covers, and the laser beam cannot escape during any phase of normal user operation.

TV Antenna Safety Instructions

An outside antenna system should not be located in the vicinity of overhead power lines or other light or power circuits, or where it can fall into power lines or circuits.

WARNING: When installing an outside antenna system, exercise extreme care to prevent the antenna system from touching power lines or circuits, as contact with them may be fatal.

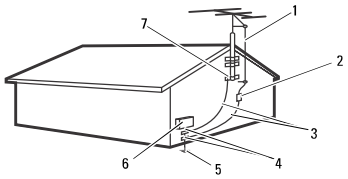
If an outside antenna is connected to the product, be sure that the antenna system is grounded in order to provide protection against voltage surges and built-up static charges. Consult with your local electrical codes for information regarding proper grounding of the mast and supporting structure, grounding of the lead-in wire to the antenna discharge unit, size of grounding conductors, location of the antenna discharge unit, connection of grounding electrodes, and requirements for grounding electrodes.

For users/installers in the United States – Article 810.21 of the United States National Electric Code, ANSI/NFPA No.70, provides information with regard to proper grounding of the mast and supporting structure of an outside antenna system, grounding of the lead-in wire to the antenna discharge unit, size of grounding conductors, location of the antenna discharge unit, connection of grounding electrodes, and requirements for grounding electrodes.

NOTE: For CATV system installers – Section 820.93 of the National Electric Code (NEC), ANSI/NFPA 70:2005 (for US/Canada), and/or EN60728-11:2005 standard (for the European Union), provides guidelines for proper grounding and specifies that the coaxial cable shield shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

For users/installers in the EU member countries – EN60728-11: 2005 provides information with regard to separation of antenna from electrical power distribution systems, protection from atmospheric over-voltages, protection of the antenna system, earthing and bonding of antenna systems, and mechanical stability of outdoor antennas, including the size of grounding conductors, location of the antenna discharge unit, connection of grounding electrodes, and requirements for grounding electrodes.

Example of Antenna Grounding



1 antenna lead in wire

2 antenna discharge unit (NEC Section 810-20)

3 grounding connectors (NEC Section 810-21)

4 ground clamp(s)

5 power service grounding electrode system (NEC Article 250.52)

6 electric service equipment

7 ground clamp

NOTE: NEC refers to the United States National Electric Code (NEC), ANSI/NFPA 70:2005. Consult with your local electrical code for installation requirements in your area.

WARNING: Excessive sound pressure from earphones or headphones can cause hearing damage or loss. Adjustment of the volume control as well as the equalizer to settings other than the center position may increase the earphones or headphones output voltage, and therefore the sound pressure level.

The use of factors influencing the earphones or headphones output other than those specified by the manufacturer (e.g. operating system, equalizer software, firmware, driver, etc.) may increase the earphones or headphones output voltage and therefore the sound pressure level.

The use of earphones or headphones other than those specified by the manufacturer may lead to heightened sound pressure level.

Ergonomic Instructions

WARNING: Improper or prolonged keyboard use may result in injury.

WARNING: Viewing a display or external monitor screen for extended periods of time may result in eye strain.

For additional information concerning ergonomics, please go to the Regulatory Compliance homepage on **www.dell.com** at the following location: **www.dell.com/regulatory_compliance.**

Environmental Considerations

ENERGY STAR® Information

ENERGY STAR Emblem

The EPA's ENERGY STAR program is a joint effort between the EPA and manufacturers to reduce air pollution by promoting energy-efficient products. You can help reduce electricity usage and its side effects by turning off your product when it is not in use for extended periods of time, particularly at night and on weekends.

ENERGY STAR Compliance

Any Dell product bearing the ENERGY STAR emblem on the product or on a start-up screen is certified to comply with the Environmental Protection Agency (EPA) ENERGY STAR requirements as configured when shipped by Dell.

Additional power management specific information is available at **www.energystar.gov/powermanagement**.

Additional information on the ENERGY STAR program is available at **www.energystar.gov.**

TCO Certification

Any Dell™ product bearing a TCO label has been certified to a TCO voluntary environmental certification. TCO certification requirements focus on features that contribute to a healthy work environment such as recyclable design, energy efficiency, ergonomics, emissions, avoidance of hazardous substances, and product take back.

For more information on your Dell product and the TCO certification, please visit: **www.dell.com/environment/TCO.**

For more information on TCO's environmental certifications, please visit: **www.TCODevelopment.com.**

Recycling Information

Dell recommends that customers dispose of their used computer hardware, monitors, printers, and other peripherals in an environmentally sound manner. Potential methods include reuse of parts or whole products and recycling of products, components, and/or materials.

For specific information on Dell's worldwide recycling programs, see **www.dell.com/recyclingworldwide.**

Waste Electrical and Electronic Equipment (WEEE) Directive

In the European Union, this label indicates that this product should not be disposed of with household waste. It should be deposited at an appropriate facility to enable recovery and recycling. For information on how to recycle this product in your country, please visit: **www.euro.dell.com/recycling**.

Battery Disposal

WARNING: Do not dispose of the battery in a fire or with household waste. Contact your local waste disposal agency for the address of the nearest battery deposit site.

Portable computers use a lithium-ion or a nickel metal hydride battery and a reserve battery. Desktop computers use a a lithium coin cell battery. For instructions about replacing the battery in your computer, see "Replacing the Battery" in your system documentation. The reserve battery is a long-life battery, and it is very possible that you will never need to replace it. However, should you need to replace it, the procedure must be performed by an authorized service technician unless instructions for removing the reserve battery are included in your system documentation.

Do not dispose of your computer's battery in a fire or with normal household waste. Battery cells may explode. Discard a used battery according to the manufacturer's instructions or contact your local waste disposal agency for disposal instructions. Dispose of a spent or damaged battery promptly.

Batteries Directive

In the European Union, this label indicates that the batteries in this product should be collected separately and not be disposed of with household waste. Substances in batteries can have a potential negative impact on health and environment and you have a role in recycling waste batteries, thus contributing to the protection, preservation, and improvement of the quality of the environment. You should contact your local authority or retailer for details of the collection and recycling schemes available. Alternatively, please visit: **www.euro.dell.com/recycling**.

Registration, Evaluation, and Authorization of Chemicals (REACH)

REACH is the European Union (EU) chemical substances regulatory framework. Information on substances of very high concern contained in Dell products in a concentration above 0.1% weight by weight (w/w) can be found at **www.Dell.com/REACH**.

Perchlorate Material

This product's coin cell battery may contain perchlorate and may require special handling when recycled or disposed of. See **www.dtsc.ca.gov/hazardouswaste/perchlorate**.

Regulatory Notices

For Electromagnetic Compatibility (EMC), additional regulatory information, and safety best practices, see the Regulatory Compliance homepage on **www.dell.com** at the following location: **www.dell.com/regulatory_compliance**.

Air Travel Restrictions

Consult and abide by air travel restrictions applicable to electronic devices and the use and transportation of battery packs. For more information see the Regulatory Compliance homepage on **www.dell.com** at the following location: **www.dell.com/regulatory_compliance**.

Export Regulations

Customer acknowledges that these Products, which may include technology and software, are subject to the customs and export control laws and regulations of the United States ("U.S.") and may also be subject to the customs and export laws and regulations of the country in which the Products are manufactured and/or received. Customer agrees to abide by those laws and regulations. Further, under U.S. law, the Products may not be sold, leased or otherwise transferred to restricted end-users or to restricted countries. In addition, the Products may not be sold, leased or otherwise transferred to, or utilized by an end-user engaged in activities related to weapons of mass destruction, including without limitation, activities related to the design, development, production or use of nuclear weapons, materials, or facilities, missiles or the support of missile projects, and chemical or biological weapons.

Finding Additional Information

For additional user information about your computer, monitor, and individual components (such as storage drives, PC cards, and other peripherals) go to **support.dell.com.**

Additional Country-Specific Safety, Regulatory, and Environmental Information

Restrictions of Usage Information

For Products With Wireless LAN / 802.11 Interfaces

Products that fall into this category are denoted by inclusion of the Class 2 identifier symbol (exclamation mark in a circle) accompanying the CE Mark on the products regulatory label, or on the 802.11 plug-in card, example below:

CE NBnr ①

NOTE: The Notified Body number denoted by 'NBnr' will only be present when required and has no bearing on the usage restriction whether present or not.

France

For Mainland France

- 2.400 - 2.4835 GHz (Channels 1-13) authorized for indoor use
- 2.400 -2.454 GHz (Channels 1-7) authorized for outdoor use

For Guiana and Reunion

- 2.400 - 2.4835 GHz (Channels 1-13) authorized for indoor use
- 2.420 - 2.4835 GHz (Channels 5-13) authorized for outdoor use

For all French Territories :

Only 5.15 -5.35 GHz authorized for 802.11a

Italy

A general authorization is requested for outdoor use in Italy. The use of these equipments is regulated by:

- D.L.gs 1.8.2003, n. 259, article 104 (activity subject to general authorization) for outdoor use and article 105 (free use) for indoor use, in both cases for private use.
- D.M. 28.5.03, for supply to public of RLAN access to networks and telecom services.

Other Country Specific Information

European Union

Abbreviated R&TTE Directive 1999/5/EC Compliance Statement

Hereby, Dell Inc. declares that all CE Marked Dell products incorporating Radio and Telecoms Terminal Equipment functionality are in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. A copy of the full format Declaration of Conformity may be obtained upon request from:

Dell Inc.
One Dell Way
Mailstop: PS4-30
Round Rock, Texas USA 78682

OR

By sending an e-mail to **Regulatory_Compliance@Dell.com**

Please include the marketing name, regulatory model, and regulatory type within the request.

Denmark

TV Antenna Safety

WARNING: If a galvanic isolator is included with your computer, the galvanic isolator must be used in series with the coaxial antenna connector. See your product documentation for instructions.

United States

Display Lamp Disposal (U.S. Only)

(Hg) LAMPS INSIDE THIS PRODUCT CONTAIN MERCURY (Hg) AND MUST BE RECYLCED OR DISPOSED OF ACCORDING TO LOCAL, STATE, OR FEDERAL LAWS. FOR MORE INFORMATION, CONTACT THE ELECTRONIC INDUSTRIES ALLIANCE AT WWW.EIAE.ORG. FOR LAMP SPECIFIC DISPOSAL INFORMATION CHECK WWW.LAMPRECYCLE.ORG.

Finland

TV Antenna Safety

WARNING: If a galvanic isolator is included with your computer, the galvanic isolator must be used in series with the coaxial antenna connector. See your product documentation for instructions.

Japan

General Power Safety

For Japan, the voltage selection switch must be set to the 115 V position even though the AC power available in Japan is 100 V. Also, ensure that your monitor and attached devices are electrically rated to operate with the AC power available in your location.

Use only the Dell-provided AC power cable with the AC adapter. Use of any other power cable may damage the device or AC adapter or may present risk of fire or electric shock.

Connecting the AC Plug Adapter

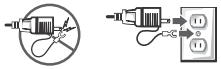
WARNING: When using the AC plug adapter, do not permit contact between the green ground wire and power leads because electrical shock, fire, or damage to your computer can occur.

NOTE: Some devices available in Japan do not include the AC plug adapter.

1 Connect the metal ground connector to the grounding source on the outlet:

   a Loosen the grounding source.

   b Slide the metal ground connector behind the grounding source, and then tighten the grounding source.



2 Connect the AC power cable to the outlet.

バッテリーステートメント（日本）

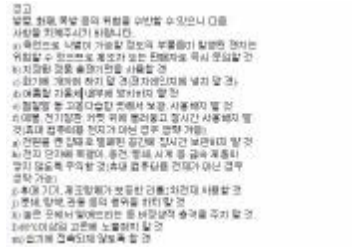
Li-ion

Korea

Energy Statement

Power consumption of this product can be 0 if it is unplugged.

Battery Safety



Norway

General Power Safety

If this product is provided with a 3-prong power cable, connect the power cable to a grounded electrical outlet only.

TV Antenna Safety

WARNING: A hazardous situation may develop due to voltage differences between the screen of the coaxial cable of the Cable Distribution System and the local equipment earth (typically, earthed chassis of the computer system). To avoid any hazards, antenna/cable input connection from the TV tuner card to a Cable Distribution System must be provided through a galvanic isolator (may or may not be included with your computer).

Sweden

General Power Safety

If this product is provided with a 3-prong power cable, connect the power cable to a grounded electrical outlet only.

TV Antenna Safety

WARNING: If a galvanic isolator is included with your computer, the galvanic isolator must be used in series with the coaxial antenna connector. See your product documentation for instructions.

Taiwan

Corporate Contact Details

Pursuant to Article 11 of the Commodity Inspection Act, Dell provides the following corporate contact details for the certified entity in Taiwan for the computer products addressed by this document:

Dell B.V. Taiwan Branch
20/F, No. 218, Sec. 2, Tung Hwa S. Road,
Taipei, Taiwan

電池聲明（台灣）

China

China RoHS

In accordance with China's Administrative Measures on the Control of Pollution Caused by Electronic Information Products (also known as China RoHS), the following information is provided regarding the names and concentration levels of toxic and/or hazardous substances which may be contained in Dell products. The China RoHS requirements can be found in Chinese MII MCV standard: "Requirements for Concentration Limits for Certain Hazardous Substances in Electronic Information Products."

Dell Desktop Products

Part Name	Toxic or Hazardous Substances and Elements					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr VI)	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Chassis/Bezel	X	O	O	O	O	O
Mechanical Assemblies (fans, heatsinks, etc.)	X	O	O	O	O	O
Printed Circuit Assembly (PCA) *	X	O	O	O	O	O
Cables/Cords/Connectors	X	O	O	O	O	O
Hard Disk Drives (HDD)	X	O	O	O	O	O
Media Reading/Storage Devices (optical drives, etc.)	X	O	O	O	O	O
Power Supply/Power Adapter	X	O	O	O	O	O
Pointing Devices (mice, etc.)	X	O	O	O	O	O

Part Name	Toxic or Hazardous Substances and Elements					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr VI)	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Keyboard	X	O	O	O	O	O
Stand-Alone Speakers	X	O	O	O	O	O
Microphone	X	O	O	O	O	O
Remote Control	X	O	O	O	O	O

* Printed Circuit Assembly includes all Printed Circuit Boards (PCBs) and their respective population of discrete components, ICs, and connectors.

"O" indicates the hazardous and toxic substance content of the part is lower than the threshold defined by the MCV Standard.

"X" indicates the hazardous and toxic substance content of the part is over the threshold defined by the MCV Standard. In all cases where an X is shown, Dell uses an allowable exemption per EU RoHS.

Dell Notebook Products (Includes Docking Stations)

Part Name	Toxic or Hazardous Substances and Elements					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr VI)	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Chassis/Bezel/Touchpad	X	O	O	O	O	O
Mechanical Assemblies (fans, heatsinks, etc.)	X	O	O	O	O	O
Printed Circuit Assembly (PCA) *	X	O	O	O	O	O
Cables/Cords/Connectors	X	O	O	O	O	O

Part Name	Toxic or Hazardous Substances and Elements					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr VI)	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Display Technology/ Lamp	X	X	O	O	O	O
Hard Disk Drives (HDD)	X	O	O	O	O	O
Media Reading/Storage Devices (optical drives, etc.)	X	O	O	O	O	O
Power Supply/Power Adapter	X	O	O	O	O	O
Pointing Devices (mice, etc.)	X	O	O	O	O	O
Keyboard	X	O	O	O	O	O
Stand-Alone Speakers	X	O	O	O	O	O
Microphone	X	O	O	O	O	O
Remote Control	X	O	O	O	O	O
FingerPrint Reader	X	O	O	O	O	O
RMSD	X	O	O	O	O	O
Power Supply/Power Adapter	X	O	O	O	O	O

* Printed Circuit Assembly includes all Printed Circuit Boards (PCBs) and their respective population of discrete components, ICs, and connectors.

"O" indicates the hazardous and toxic substance content of the part is lower than the threshold defined by the MCV Standard.

"X" indicates the hazardous and toxic substance content of the part is over the threshold defined by the MCV Standard. In all cases where an X is shown, Dell uses an allowable exemption per EU RoHS.

Dell Monitors (Flat Panel and CRT)

Part Name	Toxic or Hazardous Substances and Elements					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr VI)	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Stand/Chassis	X	O	O	O	O	O
Printed Circuit Assembly (PCA) *	X	O	O	O	O	O
FP Display Technology/Lamp	X	X	O	O	O	O
CRT Display Technology/Lamp	X	O	O	O	O	O
Cables/Cords/Connectors	X	O	O	O	O	O
Power Supply/Power Adapter	X	O	O	O	O	O

* Printed Circuit Assembly includes all Printed Circuit Boards (PCBs) and their respective population of discrete components, ICs, and connectors.

"O" indicates the hazardous and toxic substance content of the part is lower than the threshold defined by the MCV Standard.

"X" indicates the hazardous and toxic substance content of the part is over the threshold defined by the MCV Standard. In all cases where an X is shown, Dell uses an allowable exemption per EU RoHS.

Applicable electronic information products (EIPs) sold in China must be labeled with an environmental protection use period (EPUP) per China's "Marking for Control of Pollution Caused by Electronic Information Products" standard. The EPUP label applied to Dell products is based on China's "General Rule of EPUP for EIP" Standard. For more information on China RoHS, visit **www.dell.com/ChinaRoHS.**

NOTE: Any rechargeable battery pack in your product should be considered separately from the system because the EPuP number for the battery pack may be shorter than that of the entire system.

Information para NOM (únicamente para México)

La información siguiente se proporciona en el dispositivo o dispositivos descritos en este documento, en cumplimiento con los requisitos de la Norma oficial mexicana (NOM):

Importador:

Dell México S.A. de C.V.
Paseo de la Reforma 2620 - 11° Piso
Col. Lomas Altas
11950 México, D.F.

Equipos portátiles

Modelo	Voltaje de alimentación	Frecuencia	Consumo eléctrico	Voltaje de salida	Intensidad de salida
P01E	100–240 V CA	50-60 Hz	3,5A	19,5 V de CC	12,3A
P02E	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A/4,62A
P02T	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A/4,62A
P03G	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A/4,62A
P03S	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A
P04E	100–240 V CA	50-60 Hz	1,5A/1,6A	19,5 V de CC	3,34A/4,62A
P04S	100–240 V CA	50-60 Hz	1,5A/1,6A	19,5 V de CC	3,34A/4,62A
PP09S	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	4,62A
PP04X	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	4,62A
PP06XA	100–240 V CA	50-60 Hz	3,2/4,0A	19,5 V de CC	11,8A
PP27LA	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A/4,62A
PP30LA	100–240 V CA	50-60 Hz	1,5A/2,5A	19,5 V de CC	4,62A/6,7A

Modelo	Voltaje de alimentación	Frecuencia	Consumo eléctrico	Voltaje de salida	Intensidad de salida
PP08X	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	10,8A
PP17L	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	4,62A
PP18L	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A/4,62A
PP24L	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A/4,62A
PP25L	100–240 V CA	50-60 Hz	1,5A/1,6A	19,5 V de CC	3,34A/4,62A
PP26L	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A/4,62A
PP27L	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A/4,62A
PP28L	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A/4,62A
PP29L	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A
PP30L	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	4,62A
PP31L	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	4,62A
PP32LA	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A/4,62A
PP32LB	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A/4,62A
PP33L	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A/4,62A
PP35L	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	4,62A
PP36L	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A/4,62A
PP37L	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A

Modelo	Voltaje de alimentación	Frecuencia	Consumo eléctrico	Voltaje de salida	Intensidad de salida
PP38L	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A/4,62A
PP39L	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A/4,34A
PP40L	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A
PP41L	100–240 V CA	50-60 Hz	1,6A	19,5 V de CC	3,34A
PP42L	100–240 V CA	50-60 Hz	1,5A/1,6A	19,5 V de CC	3,34A/4,62A
PP12S	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	2,31/3,34A/4,62A
PP13S	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A/4,62A
PP15S	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	2,31A/3,34A
PP17S	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A/4,62A
PP19S	100–240 V CA	50-60 Hz	1,0A	19,0 V de CC	1,58A
PP36S	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A/4,62A
PP39S	100–240 V CA	50-60 Hz	1,0A	19,0 V de CC	1,58A
PP40S	100–240 V CA	50-60 Hz	1,0A	19,0 V de CC	1,58A
PP22X	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	4,62A
PP36X	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A/4,62A
PR01X	100–240 V CA	50-60 Hz	1,5/2,5A	19,5 V de CC	4,62/6,7A
PR02X	100–240 V CA	50-60 Hz	1,8A/3,2A	19,5 V de CC	6,7A/10,76A

Modelo	Voltaje de alimentación	Frecuencia	Consumo eléctrico	Voltaje de salida	Intensidad de salida
PR03X	100–240 V CA	50-60 Hz	1,8A/3,2A	19,5 V de CC	6,7A/10,76A
PR04X	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A/4,62A
PR12S	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	2,31/3,34A/4,62A
FT01	100–240 V CA	50-60 Hz	1,5A	19,0/19,5 V de CC	3,34/3,42A
P05E	100–240 V CA	50-60 Hz	1,5A/1,6A	19,5 V de CC	3,34A/4,62A
P07E	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A/4,62A
P02F	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	4,62A
P04F	100–240 V CA	50-60 Hz	3,5A	19,5 V de CC	12,3A
P06F	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A/4,62A
P07F	100–240 V CA	50-60 Hz	1,5A/1.6A	19,5 V de CC	3,34A/4,62A
P08F	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A/4,62A
P03T	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A
P04T	100–240 V CA	50-60 Hz	0,8A/1,0A	19,0V de CC	1,58A
PP42L	100–240 V CA	50-60 Hz	1,5/1,6A	19,5 V de CC	3,34A/4,62A
P04G	100–240 V CA	50-60 Hz	3,5A	19,5 V de CC	12,3A
P07G	100–240 V CA	50-60 Hz	1,5A/1,6A	19,5 V de CC	3,34A/4,62A
P09G	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A/4,62A

Modelo	Voltaje de alimentación	Frecuencia	Consumo eléctrico	Voltaje de salida	Intensidad de salida
P06S	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A
P08S	100–240 V CA	50-60 Hz	1,5A	19,5 V de CC	3,34A
P09S	100–240 V CA	50-60 Hz	1.5A/1.7A/2.5A	19.5V de CC	3.34A/4.62A/6.8A
P10G	100–240 V CA	50-60 Hz	1.5A/1.7A/2.5A	19.5V de CC	3.34A/4.62A/6.8A
P09F	100–240 V CA	50-60 Hz	1.5A/1.7A/2.5A	19.5V de CC	3.34A/4.62A/6.8A
P06E	100–240 V CA	50-60 Hz	1.5A/1.7A/2.5A	19.5V de CC	3.34A/4.62A/6.8A
P06G	100–240 V CA	50-60 Hz	1.5A	19.5 de CC	3.34A/4.63A
P05F	100–240 V CA	50-60 Hz	1.5A	19.5 de CC	3.34A/4.63A

Ordenadores de escritorioss

Modelo	Suministro	Entrada	Frecuencia
DC01L	7,0/3,5A	115/230 V	50/60 Hz
DC01T	0,8A	100–240 V CA	50/60 Hz
DCCY o DCCY1F	6,0/3,0A o 5,0/2,5A o 3,5/1,8A	115/230 V	50/60 Hz
DCDO	10,0/5,0A or 12,0A	115/230 V or 100–240 V CA	50/60 Hz or 50-60 Hz
DCDR01	7,0/5,0A	115/230 V	50/60 Hz
DCGAF	8,0/4,0A	115/230 V	50/60 Hz

Modelo	Suministro	Entrada	Frecuencia
DCMA	7,0/4,0A	115/230 V	50/60 Hz
DCME	7,0/4,0A	115/230 V	50/60 Hz
DCMF	7,0/4,0A	115/230 V	50/60 Hz
DCMMF	10,0/5,0A	115/230 V	50/60 Hz
DCMTLF	7,0/3,5A	115/230 V	50/60 Hz
DCNE o DCNE1F	5,0/2,5A o 4,0/2,0A	115/230 V	50/60 Hz
DCRM	10,0A	100–240 V CA	50-60 Hz
DCSCLF	8,0/4,0A	115/230 V	50/60 Hz
DCSCMF	7,0/4,0A	115/230 V	50/60 Hz
DCSCSF	6,0/3,0A	115/230 V	50/60 Hz
DCSEA	3,34A	19,5 V de CC	50/60 Hz
DCSLA	6,0/3,0A	115/230 V	50/60 Hz
DCSLE	6,0/3,0A	115/230 V	50/60 Hz
DCSLF	6,0/3,0A	115/230 V	50/60 Hz
DCSM o DCSM1F	6,0/3,0A o 5,0/2,5A o 3,6/1,8A	115/230 V	50/60 Hz
DCTA	6,0/3,0A or 12,0A	115/230 V or 100–240 V CA	50/60 Hz or 50-60 Hz
DCTR	18,0/15,0A	12,0 V de CC	

Modelo	Suministro	Entrada	Frecuencia
DITTC10	3,0A	12,0 V de CC	50/60 Hz
MTG	3,0A	100–240 V CA	50-60 Hz
MTG24	4,0A	100–240 V CA	50/60 Hz
MTF	3,5A	100-240 V CA	50-60 Hz
W01B	2,0-1,0A	100-240 V CA	50/60 Hz
D01D	6,0A	100-240 V CA	50/60 Hz
D01S	5,0A	100-240 V CA	50/60 Hz
D01U	2,0A	100-240 V CA	50-60 Hz
D02M	10,0/5,0A	115/230 V	50-60 Hz
D02U	3,42A o 3,94A	19,0 V de CC	50/60 Hz
D03M	8,0/4,0A	115/230 V	50/60 Hz
D04M	8,0/4,0A	100-127 V or 200-240 V CA	50/60 Hz
D05M	6,0/3,0A or 7,0/4,0A	115-230 V	50/60 Hz
D06M	7,0/4,0A	115-230 V	50/60 Hz

Modelos	
Dell Portables:	FT01, P01E, P02E, P02F, P02T series, P03G, P03S series, P03T, P04E, P05E, P07E, P04F, P06F, P07F, P08F, P04G, P07G, P09G, P04T, P04S, P06S, P08S, PP09S, PP04X, PP06XA, PP08X, PP17L, PP18L, PP24L, PP26L, PP25L, PP27L, PP28L, PP29L, PP30L, PP31L, PP32LA, PP32LB, PP33L, PP35L, PP36L, PP37L, PP38L, PP39L, PP40L, PP41L, PP42L, PP12S, PP13S, PP15S, PP17S, PP19S, PP36S, PP39S, PP40S, PP22X, PP36X, PR01X, PR02X, PR03X, PR04X, PR12S, PR15S, P09S, P10G, P09F, P06E, P06G, P05F, PP27LA, PP30LA
Dell Desktops:	DC01L, DC01T, DCCY, DCCY1F, DCDO, DCDR01, DCGAF, DCMA, DCME, DCMF, DCMMF, DCMTLF, DCNE, DCNE1F, DCRM, DCSCLF, DCSCMF, DCSCSF, DCSEA, DCSLA, DCSLE, DCSLF, DCSM, DCSM1F, DCTA, DCTR, DITTC10, MTG, MTG24, MTF, W01B, D06M, D05M, D04M, D03M, D02U, D02M, D01D, D01S, D01U

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