



Wikipedia Power Supply

What does a power supply do? A power supply is an electrical device that supplies electric power to an electrical load. The main purpose of a power supply is to convert electric current from a source to the correct voltage, current, and frequency to power the load. As a result, power supplies are sometimes referred to as electric power converters. What is a power supply called? As a result, power supplies are sometimes referred to as electric power converters. Some power supplies are separate standalone pieces of equipment, while others are built into the load appliances that they power. What type of power supply does a computer use? Modern personal computers universally use switched-mode power supplies. Some power supplies have a manual switch for selecting input voltage, while others automatically adapt to the main voltage. Most modern desktop personal computer power supplies conform to the ATX specification, which includes form factor and voltage tolerances. What is an isolated power supply? An isolated power supply has a power output that is electrically independent of its power input; this is in contrast to other power supplies that share a common connection between power input and output. Power supplies are packaged in different ways and classified accordingly. Can a PSU supply a standby voltage? Some PSUs can also supply a standby voltage, so that most of the computer system can be powered off after preparing for hibernation or shutdown, and powered back on by an event. Standby power allows a computer to be started remotely via wake-on-LAN and Wake-on-ring or locally via Keyboard Power ON (KBPO) if the motherboard supports it. What connectors does a power supply have? Typically, power supplies have the following connectors (all are Molex (USA) Inc Mini-Fit Jr, unless otherwise indicated): ATX Main Power Connector (usually labelled P1): This is the connector that goes to the motherboard to provide it with power. The connector has 20 pins or (since ATX12V 2.0) 24 pins. Power supply unit (computer) While an ATX power supply is connected to the mains supply, it always provides a 5- volt standby (5VSB) power so that the standby functions on the computer and certain peripherals are powered. ATX power supplies are Electric power In common parlance, electric power is the production and delivery of electrical energy, an essential public utility in much of the world. Electric power is usually produced by electric generators, but can also be Uninterruptible power supply An uninterruptible power supply (UPS) or uninterruptible power source is a type of continual power system that provides automated backup electric power to a load when the input power source or mains power fails. Category: Power supplies Wikimedia Commons has media related to Power supplies. Pertains to circuits that provide conversion of electrical power into alternative forms. This category has only the following Computer power supply Text is available under the Creative Commons Attribution-ShareAlike 4.0 License; additional terms may apply. By using this site, you agree to the and . ® is a registered Power supply All power supplies have a power input connection, which receives energy in the form of electric current from a source, and one or more power output or power rail connections that deliver Power supply unit (computer) While an ATX power supply is connected to the mains supply, it always provides a 5- volt standby (5VSB) power so that the standby functions on the computer and certain peripherals are Mains electricity by country



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Frequency and voltage supplied to most premises by country. Mains electricity by country includes a list of countries and territories, with the plugs, voltages and frequencies they Electric power In common parlance, electric power is the production and delivery of electrical energy, an essential public utility in much of the world. Electric power is usually produced by electric Uninterruptible power supply An uninterruptible power supply (UPS) or uninterruptible power source is a type of continual power system that provides automated backup electric power to a load when the input power Computer power supply Text is available under the Creative Commons Attribution-ShareAlike 4.0 License; additional terms may apply. By using this site, you agree to the and . ® is a registered Power supply unit A power supply unit (PSU) is a part of the computer that converts alternating current (AC) to direct current (DC). Other parts of the computer need this DC power so that they can work. Power supply -- Republished // WIKI 2The source power may come from the electric power grid, such as an electrical outlet, energy storage devices such as batteries or fuel cells, generators or alternators, solar Power supply All power supplies have a power input connection, which receives energy in the form of electric current from a source, and one or more power output or power rail connections that deliver Power supply -- Republished // WIKI 2The source power may come from the electric power grid, such as an electrical outlet, energy storage devices such as batteries or fuel cells, generators or alternators, solar

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