

A Mini Review on the Electrical Components for Energy Consumption

Nur Aifiah Binti Ibrahim

Universiti Teknologi MARA, Selangor, Malaysia
nuraifahibrahim90@gmail.com

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Abstract

Energy can either be stabilised or not by introducing the new portable device for cloud computing using Android in applicable software. Software engineers are researching the most ideal type of telecommunication device and energy mass production in supporting communities' daily activities. At first, raw information is then, edited and coded for external use in data analyses. Chances of getting it done are first, to measure the risks and problems in addressing the gap of using the current and latest technology during the era. Judging by the vehicle and traffic system, safety first so as, other factors of management in terms of radio transmission and signals to the bumpy cars from behind. The car parts are continuously manufactured as the metallic and synthetic fibers are traded and shipped from a foreign country ended up in the stores as the momentum in demand and supply slows down for turnover in resource allocation. Therefore, sustainability for the growth of the company must ensure uniqueness and continuous customer satisfaction in making it the best treatment option for them without repurposing their needs and recommendations for business development.

Keywords: Android, External, Technology, Sustainability, Repurposing

Introduction

The three phases of electric transmission are generation, transmission, and distribution systems. Optimal reactive power dispatch (ORPD) is the main power line for resting in laurels in electrical transmission and power sufficiency (Adegoke et al., 2024). The dispatch is to be in a condition with voltage stability (Adegoke et al., 2024). The optimal power flow is to have the electrical charges used moderately. Electrical usage may exceed a high bill for electricity (Adegoke et al., 2024). Under Hooke's law, the deformation of displacement of the stretchable adjustment to have a short or long length in transferring electrical shocks. By stabilising the power transmission, the power distribution produces more electrifying current by the transistors. The transistors are often in diodes and in charge of power dynamics to practice the rate of electrical flow over time intervals (Adegoke et al., 2024).

Since 1957, the government policy on the local transmission system and commute for a structural module (National, 2019). Then, the income distribution gap is abroad as the population grows. Seamless movement that operated promptly to have it together. By improving the enhanced system, safety is in the name of deconstruction. By improving the system, the identifiers and conductors will undermine the high maintenance in a distributed system called electrical conductivity. The auto invention is called the intelligent transport system (National, 2019). The keypad is an interactive design involving manual instructions and gizmos mode for additional features to appear on the touchscreen (National, 2019).

Wireless sensor networks (WSN) involve electrical and naturally occurring phenomena in surviving without redirecting the electrical flow to cause a sudden halt to prevent the power supply from creating a short circuit (Hassan & Jasim, 2021). It is the microcontroller for further electrical usability. Then, the circuit in a schematic design for the light bulb causes the current in a different voltage to have the energy in a split second to produce the light and heat from the sparks ignited by the ohmmeter. Thus, the electrical wired sensor network differs from the wireless sensor network in portable and geographic access to the information kiosk in the nearby tower. Information framing using the social network on behalf of another party can be accessed using the meeting application software in a delegation and round table using a virtual accessible network system (Hassan & Jasim 2021).

The workflow for handiwork in manufacturing and providing from microchips to the information storage based on file size and accelerating speed for previous data to be in use with the following date, known as a data warehouse (Hassan & Jasim, 2021). The sensories within the circuit of the motherboard are in alignment with the resistors and diodes in reversing or controlling the amount of electricity fused by the on of a switch. Both in a light switch, the adversity and reversal of the alternate and direct current in having it travel in one direction and the other divert the direction to flow in a correct pathway. It produces the result as it is irreproducable (Hassan & Jasim, 2021).

Literature Review

Daily load variation means the electrical rod between two nodes (Gelani et al., 2017). The first one will have an input from one pole to the other. The saving energy is to be measured by an electrometer to have it in a kilowatt unit by excluding the shocks and trips in increasing the housing bill (Gelani et al., 2017). Direct current is for portable devices compared to alternate current used for the whole building. The direct current is to have the power line of a battery grid that is not rechargeable. The alternate current lasts for as long as the power grid network supplies the electrical signals more energy, such as heat and light (Gelani et al., 2017). Semiconductors are the motherboard for the chips to function in the line of traces on the carvings depending on the melted pewter shape and sizes for the electricity to be supplied for one another (Gelani et al., 2017).

The electrical current moves from a positive charge to a negative charge in the form of lithium ions at a momentum as the particles try to regain more power (Electrical, n.d.). The power resides in the collision of molecules of more forceful bounding areas involving the particles moving far apart and bouncing off from the base to hit across the invisible plane (Electrical, n.d.). Power voltage means electrical pressure has a forceful brightening as the heat is transmitted from one wire to another in a loop (Electrical, n.d.).

As mentioned before, the high tension of the electric current to the power supply in line of many poles to the point the electricity is at a breakage called the circuit breaker (George et al., 2025). The operability is timeless as the power switch was regenerated every time the electric rods and circuits were ongoing functioning at different site locations (Ministry, 2023). Weather changes are one of the criteria to look into as the recharging begins to reoperate for a heavy load of maintenance work. They are called load-serving

entities (LSEs) and provide continuous support and a management team to maintain the electrical flow for household appliances and other capital expenditures (Ministry, 2023).

The energisation of the electric current is the amperes in moving the needle towards the right point showing the highest amount of current in a circuit (Distribution, 2016). The hybrid of the new technology saves energy and makes low infiltration power and low fare rate by not consuming too much energy (Distribution, 2016). The continuous flow in effort for power adjustment. Other lawful electronics principles familiarise them with the minimalism of more notable research and increase the amount of electrical conduct to produce a more energy-friendly environment. The cloud data invasion addresses some technical issues and promptly executes the command in a language called Autobot.

Methodology

The mini-review explains more about the electric conductivity system and the newly projected model for more than a description. The first section is on the familiar terms and wordings of electricity, including the kitchen area within the looping current of electricity charged from an electrical grid network. The inter-reliability of the generated power source to the current of the overflowing of electricity to be more cautious and has a firm and robust electrical model in the form of accumulating numbers of ionic exchange. Then, the finalised stage of power intermittent is reused and renewed by regulating and moderating the energy inbound and outbound by the shocks and signal noises. For instance, the radio frequency intends to have a range of wire cables beside the freezing road of Michigan.

Results and Discussion

The idea is to allow a decarbonisation process for clean energy. Then, the data speed for all clouds in a network building. Thus, the energy storage system is like a platform of panel data for an established firm to have its historical data working out for the benchmark and the starting point of a business (Srijit, 2024). The first component is terminals and connectors to a circuit in a microchip known as nanotechnology. The electrical system terminated until the end of the tip to stop a metallic material from

overflowing with a current. Similar to resistors, there are terminations at the end of the tip of the metallic pinpoint over the unique identifiers in locating the source for transmitting sound and light using a microchip as if they are controlling the electrical flow (Srijit, 2024).

The capacitors with overreaching terminals resulted in an information coding for the placement of the diode in aiming for the circuit. An electrical circuit has the idea of being enclosed in a simplified number of electrical components (Srijit, 2024). Semiconductors are the best emission in conversing electrical energy by regulating the temperature and adjusting the amount of light in light emitting diode (Srijit, 2024). The transistors are in a tremendous effort for another capacity of semiconductor electricity (Srijit, 2024).

The heat source comes from the energy of the Earth's core and mantel in a process called heat emission to have a direct heat source. However, the secondary heat generator is as if it is a power supply network and other devices providing secondary energy for external usage (Rani & Haris, 2025). Based on previous research, there is a limited supply of energy quota in a high density of population (Rani & Haris, 2025). The underwater and underground water in the ring of fire surrounding the Philippines and Indonesia, especially on land for the heat source to the island with active volcanoes resurfacing the populated areas (Rani & Haris, 2025).

Fossil fuels that act as the energy source in supplying and providing the energy supply output. Energy supply output is the amount of electrical produced by the input of initiating the source. It is a piping system area buried underneath the ocean floor of international trading beyond the geographical borders. Then, an oil tank of a drilling process for the external use of petroleum and gasoline (Rani & Haris, 2025). From secondary energy to central energy for the room and other parts of the house (Rani & Haris, 2025).

Biomass is for energy sustainability in the biotechnology of fossil fuels in eternal overburning fertilisers and other nitrogenous wastes (Zhang, 2025). The decomposition of biomethane and biofuels is more foundational as self-consumed for upgrading an electrical grid network. The synergy effect focuses on combining two types of fuels, including the size of the main effect (Zhang, 2025). The combination and interaction effect of many biofuels in the performance and effectiveness of the energy output resulted in a high-performing task (Zhang, 2025). The compiled coals for heat sourcing and electrical grid

network provide different energy to synchronise with another conversion and combination of kinetic and evaporation to unleash more carbon footprint in the air producing pollution (Zhang, 2025).

In the age of AI, it is necessary to find another alternative to supercomputers (Shim & Suh, 2025). It includes the cooling effect of an air conditioning system with an automatic mode, another sensory of regulating the room temperature without going through all the wiring, and being more portable for the convenience of home electrical appliances (Shim & Suh, 2025). They aimed at a higher level of sophisticated computing models for the functionality of daily home appliances to go with the age of digitisation, including the refrigerator (Shim & Suh, 2025). The computer processing unit is seeking billions of cores set in a central processing unit (CPU) for tonnes of applications. Since the CPU is the brain, other components supporting the internal and external uses of a personal computer focus on random access memory (RAM) and read-only memory (ROM) to have a Cache memory in accessing more data (Shim & Suh, 2025).

Model training is a rather sophisticated method in a linear algorithm to have weights and biases in the computation for having the simplified version of inclusion and readjustments in having predictive modelling as it will minimise the error and inclusion or exclusion of parameters to produce the most accurate output (Alley, 2020). Convolutional modelling in handling models with parameters that are complicated weights is placed upon them to have it done by a simpler modular of leveling and weighting in a feature selection method (Alley, 2020). After receiving enough computer instruction, the readability of a test score and evaluation of the reliability of the training models may produce the most accurate output.

Surrounded by the levels of telecommunication, it is a sender's receiving signals as the waves of private and public availability on the information using the application software and direct networking to the receiver's hub (Zhang, 2025). There is no more promising than a portable device and components of radio transmission in telecommunication to have it recharged on time. For instance, a broadband network is easy to carry. The initiation of the power button already recorded the network availability along with the memory storage. It is to save more capacity for handling the overload of information flow in time. The polygon-shaped is found in a designer's specialised software

to have pointed onto another plane by extending it in a different dimension to have them programmed in a new environment and detected for external information in the library.

The light emission device on the motherboard has microchips and other electrical components in harmony. Nowadays, the brightness of the light and the virtual reality of a designer's dream also come true. The plug-in electrical vehicle also celebrates the synergy effect and hybrid technology with the latest technology in letting the car drive by itself (Wood et al., 2023). Safety comes first. Companies and car manufacturers have the components and devices for drivers to have the safest journey. The bits of information and the colour schemes for the choice of transport and the destination select to travel to (Wood et al., 2023). It all comes down to the safety policy and meter to manage the risk and traffic safety control (Wood et al., 2023).

Conclusion

In alignment with the sustainability of growth, the community needs more conservative and preserved energy to embrace the changes in electrical generators from a small chip to the largest component of a moving vehicle. They went in for an affordable and less effort in commuting and carpooling to reduce their carbon footprints. The policy of external electrical components usage does have an electrical supply quota and the excessive usage of electricity may reach a point of having more telephone poles and other network grid systems. The endless continuation of energy consumption may lead to a lack of sustainability by looking for more nature-conservative energy, including water, wind, and solar. The congested beating network system, they go for broaden minds in inventing the portable device as a modernised concept. The practicality is still square in plain language to explain more while addressing the issue. Nowadays, cloud computing and nanotechnology can have it with the latest virtual reality meeting in illustrating and have a graphical presentation on the monitor. Shapes and sizes are even in the mile for the unknown to be unearthed in the face of artificial networking systems.

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