

Title: Alternating current is described as

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What is alternating current (AC)?

Alternating current (AC) is a type of electric current that periodically reverses its direction of flow. Its polarity changes over time, and its magnitude fluctuates sinusoidally, typically following a waveform like a sine wave.

What is alternating current in a DC Circuit?

We know in DC circuits, the current is made to flow in a uniform direction. However, electric charge can also flow periodically in reverse direction. This flow of current is known as Alternating Current; The polarity of AC keeps changing at regular intervals.

What is the difference between direct current and alternating current?

This behavior is opposite to a direct current (DC), where the waveform remains steady over time. Alternating current (AC) was developed and popularized by Serbian-American inventor and engineer Nikola Tesla in the late 19th century. An alternator is a type of generator that creates alternating current (AC).

How is alternating current represented graphically?

An alternating current can be represented graphically, showing its periodic nature and how its direction and magnitude continuously change. This waveform illustrates how AC alternates between positive and negative values, corresponding to the changing polarity of the current.

The meaning of ALTERNATING CURRENT is an electric current that reverses its direction at regularly recurring intervals --abbreviation AC.

An alternating current is an electric current that changes its direction and magnitude periodically. It has many advantages over direct current for power transmission and distribution.

Definition of Alternating Current (AC) We know in DC circuits, the current is made to flow in a uniform direction. However, electric charge can also flow periodically in reverse direction. This ...

AC stands for "Alternating Current," meaning voltage or current that changes polarity or direction, respectively, over time. AC electromechanical generators, known as alternators, are of simpler ...

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Alternating current (AC) is an electric current that periodically reverses direction and changes its magnitude continuously with time, in contrast to direct current (DC), which flows only in one direction.

An electric current that frequently reverses direction is called an alternating current (AC). Once again, whether the intensity of the current remains constant is irrelevant. The frequent reversal of direction ...

Alternating current (AC), flow of electric charge that periodically reverses.

Unlike direct current, which is the flow of charge in one direction, alternating current is an electric current that reverses direction periodically. Here is a graphical representation of Direct Current vs Alternating ...

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