

Title: DC side of current source inverter

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Appliances that need DC but have to take power from AC outlets need an extra piece of equipment called a rectifier, typically built ...

OverviewCircuit descriptionInput and outputBatteriesApplicationsSizeHistorySee alsoIn one simple inverter circuit, DC power is connected to a transformer through the center tap of the primary winding. A relay switch is rapidly switched back and forth to allow current to flow back to the DC source following two alternate paths through one end of the primary winding and then the other. The alternation of the direction of current in the primary winding of the transformer produces alternating current

Definition: Current Source Inverter is a type of inverter circuit that changes the dc current at its input into equivalent ac current. It is abbreviated as ...

In Current Source Inverter (CSI), the input side of the inverter is connected to a DC current source and hence, the polarity of the input current remains the same.

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Since the DC side must be treated as a current source, a current source type inverter is used for HVDC applications. Thyristors also remain in use in ultra-large inverters.

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