

AUTOTRANSFORMER

Meaning: An autotransformer is an electrical transformer that adjusts voltage levels by using a single winding that serves as both the primary and secondary coil.

1. An autotransformer is commonly used to adjust voltage levels in electrical systems.
2. Engineers prefer autotransformers for their compact size and efficiency.
3. The autotransformer operates on the principle of electromagnetic induction.
4. In power distribution, autotransformers help minimize energy losses.
5. Autotransformers are often employed in railway systems for traction control.
6. The versatility of an autotransformer makes it suitable for various applications.
7. By using an autotransformer, we can achieve a significant reduction in material costs.
8. The design of an autotransformer allows for both step-up and step-down voltage transformations.
9. When troubleshooting electrical circuits, identifying the autotransformer is crucial for accurate diagnosis.
10. Autotransformers can be found in many household appliances, helping to regulate power supply.

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