

SNS COLLEGE OF TECHNOLOGY



(An Autonomous Institution)
COIMBATORE-35

Accredited by NBA-AICTE and Accredited by NAAC – UGC with A+ Grade Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

23EET202 / ANALOG ELECTRONICS CIRCUITS I YEAR / II SEMESTER

UNIT-I: PN JUNCTION DEVICE

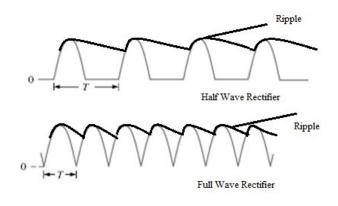
HALF & FULL WAVE RECTIFIER

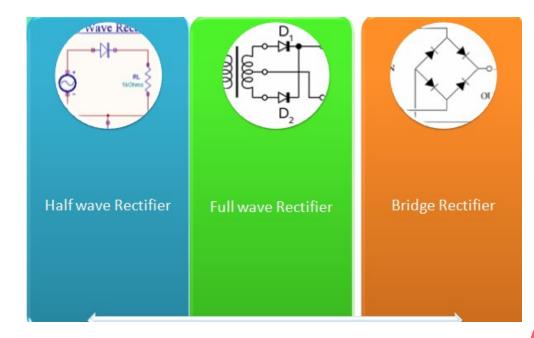




TOPIC OUTLINE











Introduction

• A rectifier is an electrical device that converts alternating current (AC), which periodically reverses direction, to direct current (DC), which is in only one direction, a process known as rectification.





Types of Rectifiers



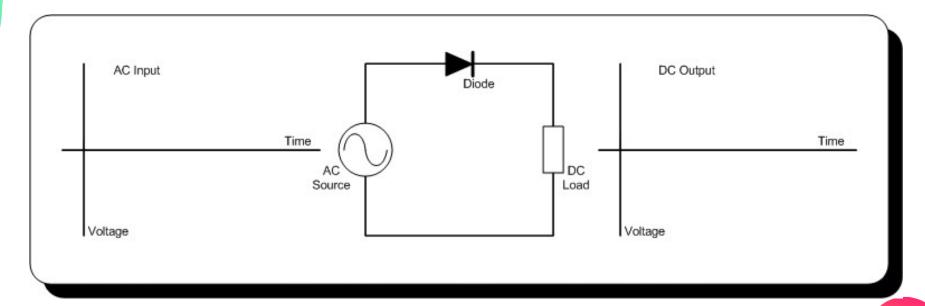
- Half wave Rectifier
- Full wave Rectifier
- Bridge Rectifier





Half wave rectifier working animation



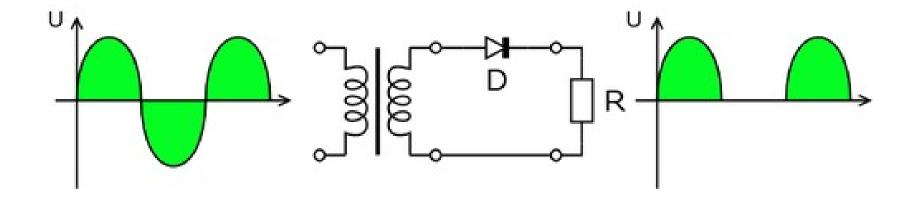










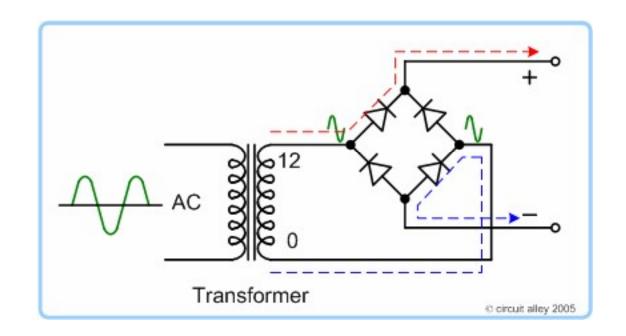






Full wave rectifier working animation

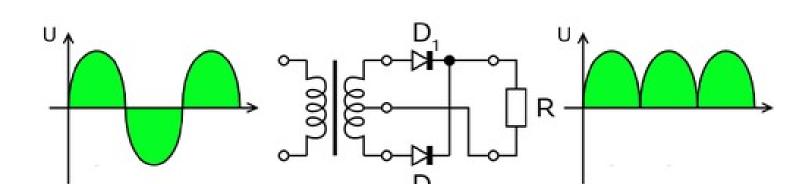








Full wave rectifier using transformer and 2 diodes

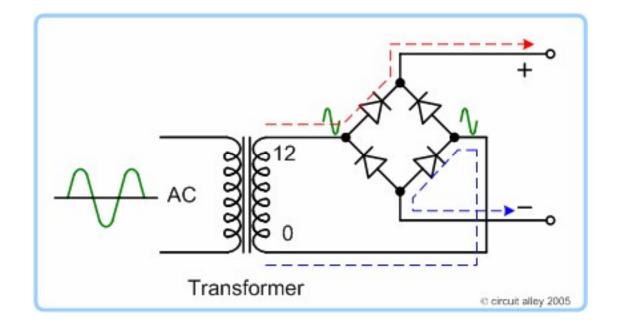






Full wave rectifier working animation



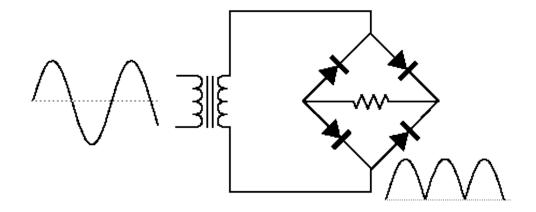










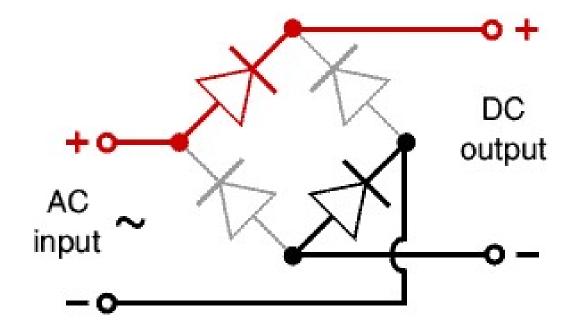






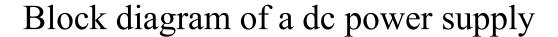
Bridge Rectifier Animation



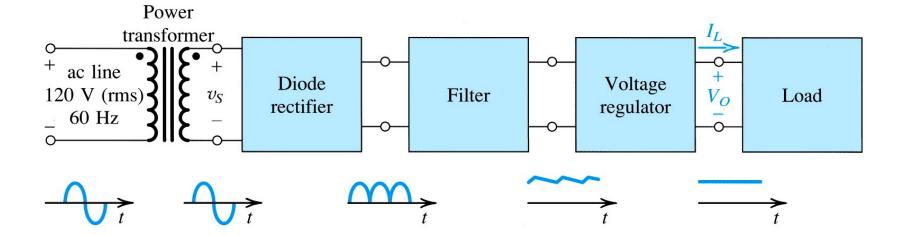










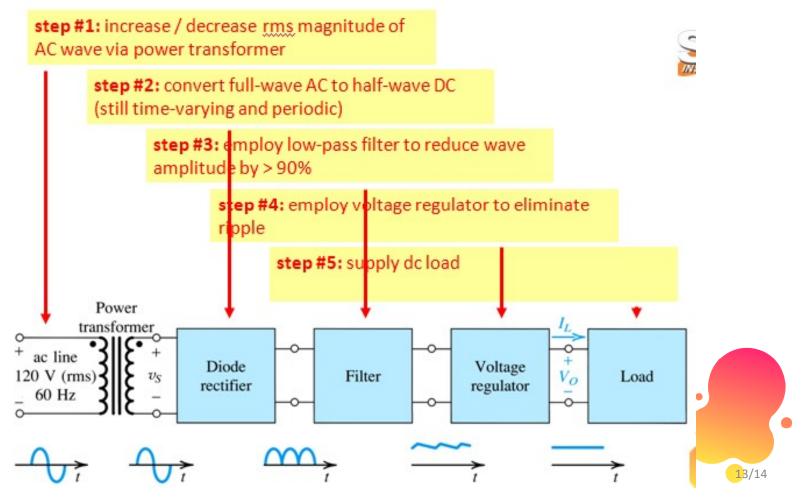






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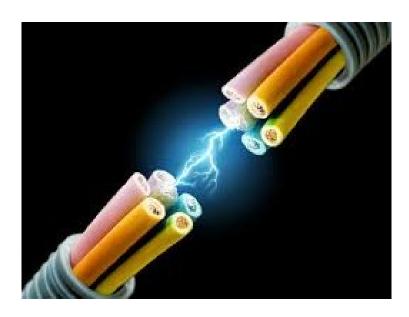






RECAP....





...THANK YOU

