

SNS COLLEGE OF TECHNOLOGY

Coimbatore-35
An Autonomous Institution



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

DEPARTMENT OF MECHATRONICS

INDUSTRIAL ELECTRONCIS & APPLICATION

III YEAR V SEM

UNIT 2 – PHASE CONTROLLED CONVERTER

TOPIC -Three phase controlled Rectifier

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APPLICATION

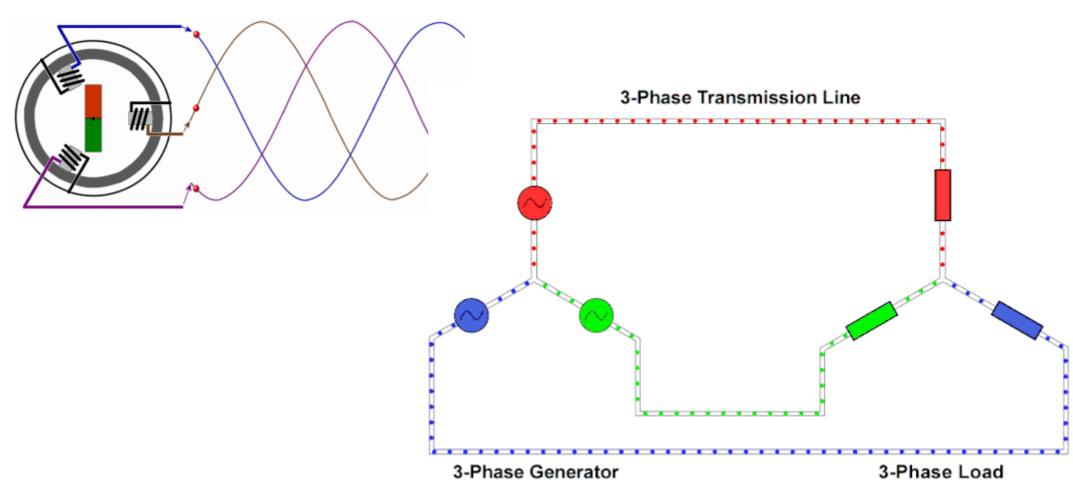






Intro-Three Phase

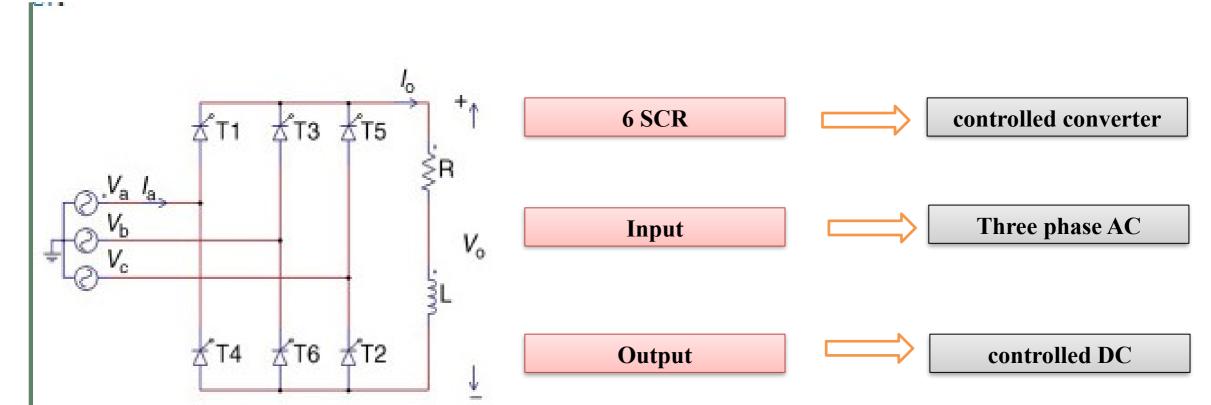






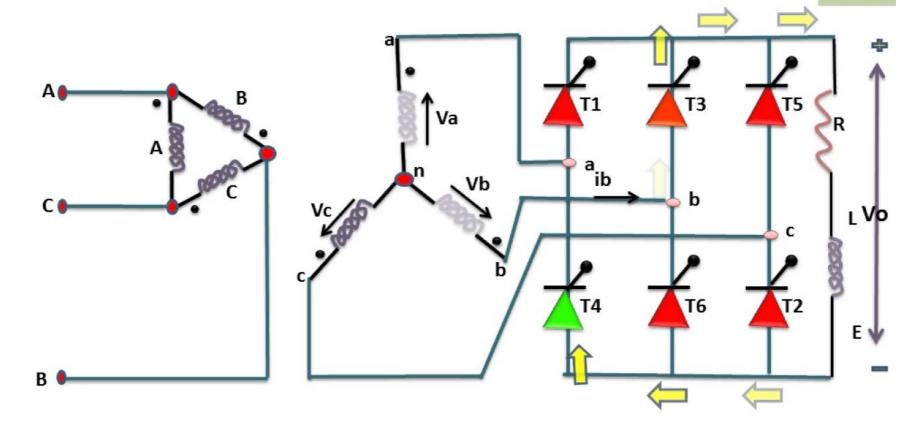
Single phase controlled Converter





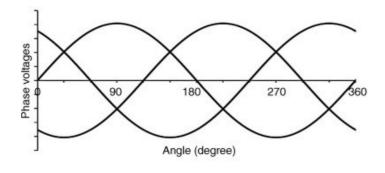




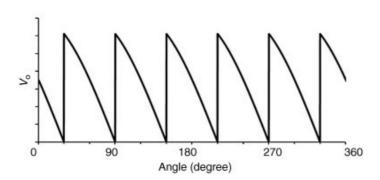




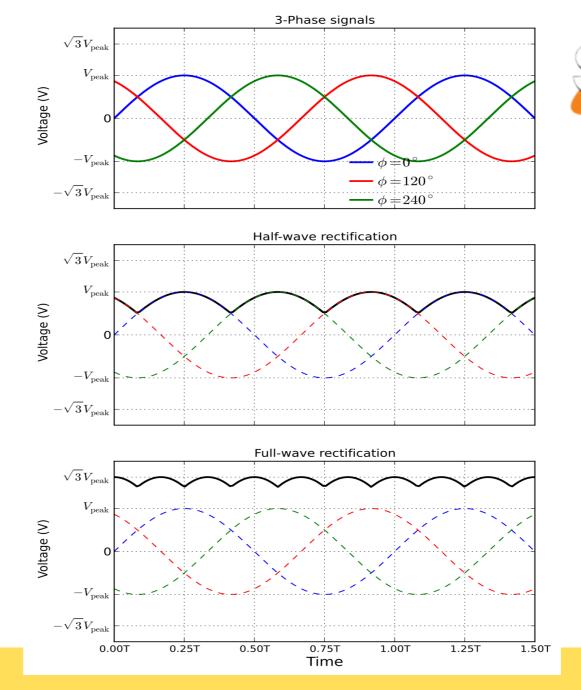
Output Waveform



(a)



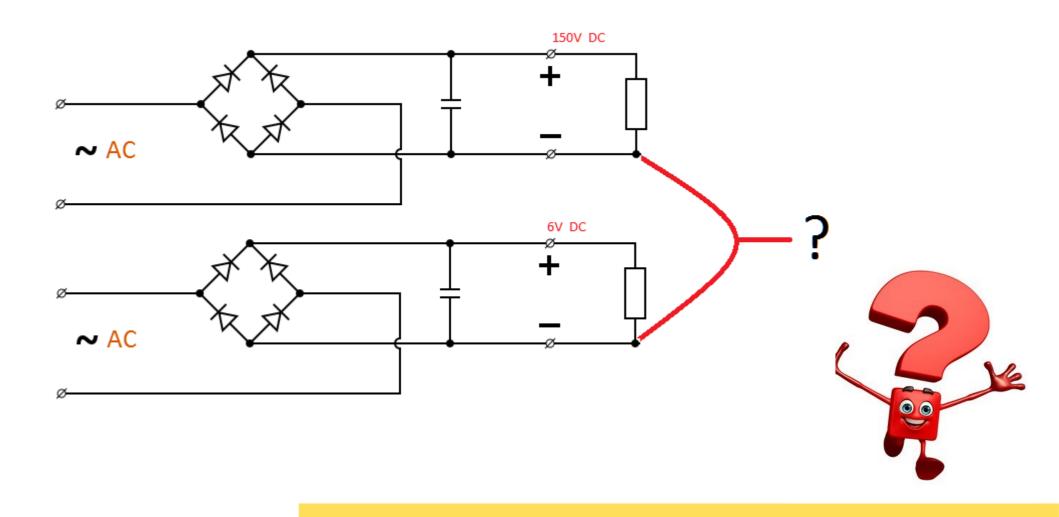
(b)





Assessment - If connect two negative in following circuit, what will happen? Why?











- 1. https://www.electronics-tutorials.ws/power/single-phase-rectification.html
- 2. https://www.tutorialspoint.com/power_electronics/power_electronics_introduction.htm#:~:text="power%20Electronics%20refers%20to%20the,efficiency%20and%20reliability%20is%2010">https://www.tutorialspoint.com/power_electronics/power_electronics_introduction.htm#:~:text="power%20Electronics%20refers%20to%20the,efficiency%20and%20reliability%20is%2010">https://www.tutorialspoint.com/power_electronics/power_electronics_introduction.htm#:~:text="power%20Electronics%20refers%20to%20the,efficiency%20and%20reliability%20is%2010">https://www.tutorialspoint.com/power_electronics/power_electronics_introduction.htm#:~:text="power%20Electronics%20refers%20to%20the,efficiency%20and%20reliability%20is%2010">https://www.tutorialspoint.com/power_electronics/power_electronics_introduction.htm#:~:text="power%20Electronics%20refers%20to%20the,efficiency%20and%20reliability%20is%2010">https://www.tutorialspoint.com/power_electronics/power_electronics_introduction.htm#:~:text="power%20Electronics%20the,efficiency%20and%20reliability%20is%2010">https://www.tutorialspoint.com/power_electronics/power_electronics_introduction.htm#:~:text="power%20Electronics%20the,efficiency%20and%20reliability%20is%20and%20reliability%20is%20and%20reliability%20is%20and%

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- 3. http://www.egr.unlv.edu/~eebag/EE-442-642%20Introduction%20F1
- 4. https://www.youtube.com/watch?v=djbJm-xWo2w
- 5. https://www.youtube.com/watch?v=jx5l2Fbil8U

