

Rectifier Tables: Triphasic Controlled

Diego Trapero

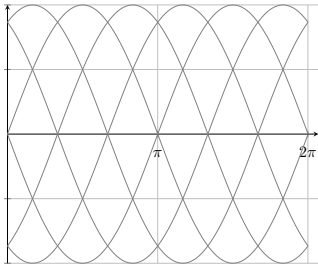
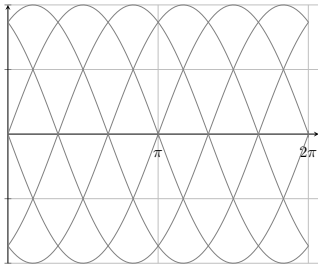
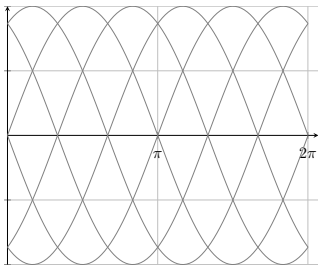
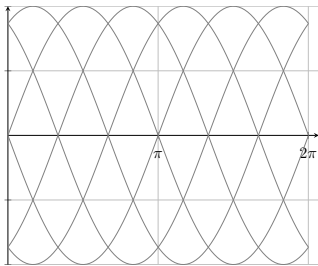
Table of contents

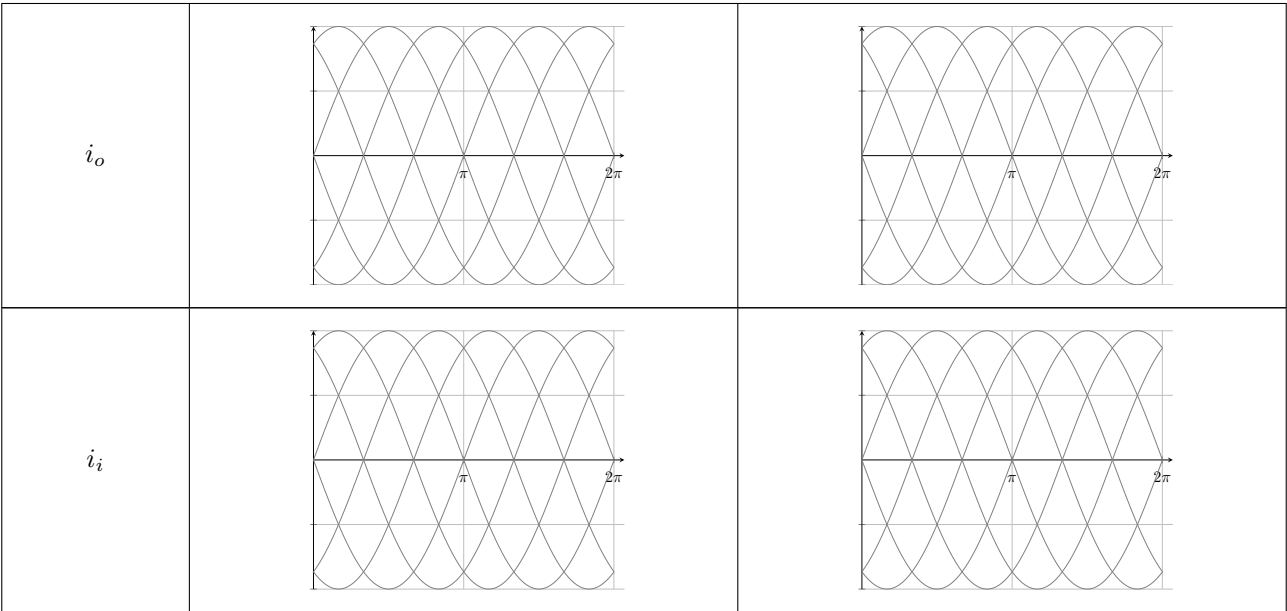
1	Rectifier Tables	2
1.1	Triphasic Controlled Half Wave Rectifier, R vs RL load	3
1.2	Triphasic Controlled Full Wave Rectifier, R vs RL load	5

1 Rectifier Tables

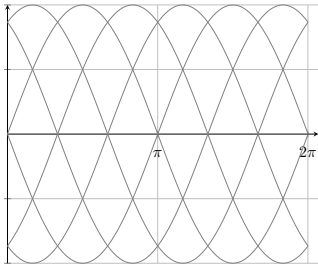
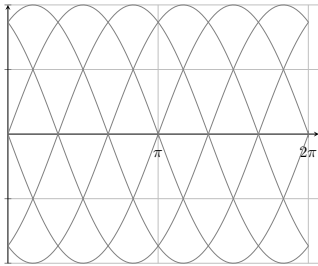
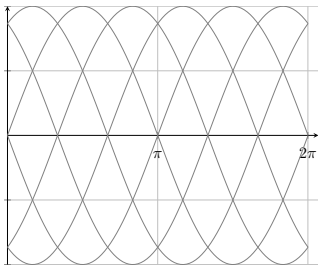
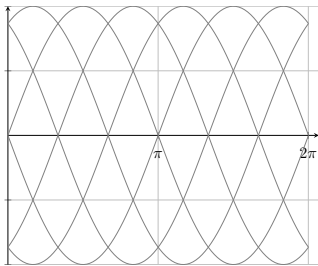
1. Monophasic Uncontrolled Rectifiers with R load
2. Monophasic Uncontrolled Full Wave Rectifier loads
3. Monophasic Controlled Full Wave Rectifier, R vs RL load
4. Triphasic Uncontrolled Rectifiers with R load
5. **Triphasic Controlled Half Wave Rectifier, R vs RL load**
6. **Triphasic Controlled Full Wave Rectifier, R vs RL load**

1.1 Triphasic Controlled Half Wave Rectifier, R vs RL load

What	3 Φ Controlled HWR R load	3 Φ Controlled HWR R load
Circuit Diagram		
v_o		
v_R		
Peaks/period	3 peaks/period	3 peaks/period
Period		
Integration limits		
Load Voltage		
$\bar{v}_o(\alpha)$		
Thyristor table		



1.2 Triphasic Controlled Full Wave Rectifier, R vs RL load

What	3 Φ Controlled FWR R load	3 Φ Controlled FWR R load
Circuit Diagram		
v_o		
v_R		
Peaks/period	6 peaks/period	6 peaks/period
Period		
Integration limits		
Load Voltage		
$\bar{v}_o(\alpha)$		
Thyristor table		

