Summ	ary			
Serial No.	Type of converter	Load	Parameter	
1.	1 φ half wave	Reign	$V_{o(av)} = \frac{2V_m}{2\pi} (1 + \cos \alpha)$	
		RL	$V_{o(av)} = \frac{V_m}{2\pi} (\cos \alpha - \cos \beta)$	
		RL with freewheeling diode	$V_{o(av)} = \frac{V_m}{2\pi} (1 + \cos \alpha)$	
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2.	1 φ semi converter	R	$V_{o(av)} = \frac{V_m}{\pi} (1 + \cos \alpha)$
/	220		$V_{o(rms)} = \left\{ \frac{V_m^2}{2\pi} \left[\pi - \alpha + \frac{1}{2} \sin 2\alpha \right] \right\}^{\frac{1}{2}} $
Tables History		RL	$V_{o(av)} = \frac{V_m}{\pi} (1 + \cos \alpha)$
			$V_{o(rms)} = \left\{ \frac{V_m^2}{2\pi} \left[\pi - \alpha + \frac{1}{2} \sin 2\alpha \right] \right\}^{\frac{7}{2}}$
		RL	$DF = \cos \frac{\alpha}{2}$
≥n -			$PF = \sqrt{\frac{8}{\pi(\pi - \alpha)}} \cos^2 \frac{\alpha}{2}$
			$HF = \sqrt{\frac{\pi(\pi - \alpha)}{8\cos^2\frac{\alpha}{2}} - 1}$
3.	1 φ full convertef	R	$V_{o(av)} = \frac{V_m}{\pi} (1 + \cos \alpha)$
			$V_{o(rms)} = \left\{ \frac{V_m^2}{2\pi} \left[\pi - \alpha + \frac{1}{2} \sin 2\alpha \right] \right\}^{\frac{1}{2}}$
e de la companya de l		RL	$V_{o(av)} = \frac{2V_m}{\pi} \cos \alpha$
	A STATE OF THE STA		$V_{o(rms)} = \frac{V_m}{\sqrt{2}}$
	·	RL with freewheeling diode	$V_{o(av)} = \frac{V_m}{\pi} (1 + \cos \alpha)$ $(V2 \Gamma \qquad 1) \frac{1}{3}$
		<u> </u>	$V_{o(ms)} = \left\{ \frac{V_m^2}{2\pi} \left[\pi - \alpha + \frac{1}{2} \sin 2\alpha \right] \right\}^{\frac{1}{2}}$ $DF = \cos \alpha$
7	_	RL	$PF = \frac{2\sqrt{2}}{\pi} \cos \alpha$
* 1			HF = 0.4834 or 48.34%
4.	3 φ halfwave converter	R	$V_{o(av)} = \frac{3\sqrt{3} V_m}{2\pi} \cos \alpha \text{ for } \alpha \leq 30^{\circ}$
	CONVENE	:	$= \frac{3V_m}{2\pi} \left[1 + \cos\left(\frac{\pi}{6} + \alpha\right) \right] \text{ for } \alpha > 30^{\circ}$
		RL	$V_{o(av)} = \frac{3\sqrt{3} V_m}{2\pi} \cos \alpha$
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5.	3 φ semiconverter	R, RL	$V_{o(av)} = \frac{3\sqrt{3} V_m}{2\pi} (1 + \cos \alpha) $
6.	3 ф fullconverter	R RL RL - with freewheeling	$V_{o(av)} = \frac{3\sqrt{3} V_m}{\pi} \cos \alpha \text{ for } \alpha \leq 60^{\circ}$ $V_{o(av)} = \frac{3\sqrt{3} V_m}{\pi} \left[1 + \cos \left(\frac{\pi}{3} + \alpha \right) \right] \text{ for } \alpha > 60^{\circ}$ $V_{o(av)} = \frac{3\sqrt{3} V_m}{\pi} \cos \alpha$ $V_{o(av)} \text{ is same as that with R-load.}$
-		diode	
7.	1 φ dual converter		$V_{o1(av)} = \frac{2V_m}{\pi} \cos \alpha_1$
			$V_{o2(av)} = \frac{2V_m}{\pi} \cos \alpha_2$
			$a_1 + a_2 = 180^{\circ}$ $i_{cir} = \frac{2V_m}{\omega L_r} [\cos \omega t - \cos \alpha_1]$