





















)11.4 F	.4 Apparent Power and Power Factor (2)		
	Purely resistive load (R)	$\theta_v - \theta_i = 0, Pf = 1$	P/S = 1, all power are consumed	
	Purely reactive load (L or C)	$\theta_{\rm v} - \theta_{\rm i} = \pm 90^{\rm o},$ pf = 0	P = 0, no real power consumption	
	Resistive and reactive load (R and L/C)	$\begin{array}{c} \theta_v \!\!-\! \theta_i > \! 0 \\ \theta_v \!\!-\! \theta_i \! < \! 0 \end{array}$	 <u>Lagging</u> - inductive load <u>Leading</u> - capacitive load 	
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