

Za=32r , ZY= z Za 进行 YM联络 数 与 A 形成 转换

联结方式	相电压/电流	线电压/电流	
Y-Y La Zy Zy Zy Zy Zy	Van=Vb∠O° Vbn= Vp∠-12D° Vcn= Up∠+12O° 同残电流	Vab=\$Vp \(\frac{130}{230}\) \text{Ubc} = \text{Vab} \(\frac{120}{20}\) \text{Vca} = \text{Vab} \(\frac{120}{20}\) \text{Ia} = \text{Vah} \(\frac{27}{27}\) \text{Ib} = \text{Ia} \(\frac{1}{20}\) \text{Ic} = \text{Ia} \(\frac{1}{20}\)	据电源/依蔽 线电压心幅度是相电压小的压倍,超前相电压36 In-1bt Icad In-0 VnN=0.
Y- \(\triangle \) \[\frac{1}{2} \\	Van = Vp LO" Vbn = Up L - 12D' Vcn = Up L + 12O' IAB = VAB/ZA IBC = VBC/ZA ICA = VCA/ZA Vab = Vp LO' Vbc = VpL-12D'	Uab=\$Vp L30 =Vab Ubc = UabL-120 =Vac Uca= UabL-120 =VcA Ia= Iab 13L-30 Ib= Ia L-120 Ic= Ia L120 同相电压 Ia= Iab 13L-30 Ib= Iac120 Ib= Iac120 Ib= Iac120	
Ven Ven Za Lia Lia Lia Lia Lia Lia Lia Lia Lia Li	Va = Vp L120° IAB = Vab/Za IBC = VBC/Za ICA = VcA/Za Vab = Vp L0° Vbc = VpL-120° Vaa = VpL120° = 3220°	□相电压 Ia= <u>Vp L-30°</u>	

·对称条统中的功率

Uan = 巨Vp cos wt, Ven = 巨Vp cos (wt-120), Ven=巨Vp cos (wt+120) (Vp定义是相框有效值) 第2Y = Z10.

ia= [] p cos(ut-0), ib= [] p cos(ut-0-120), ic= 12] p cos(ut-6+120)

P= Pa+Pb+Pc = 3VpIp coso. 各项年均 历章 p/3

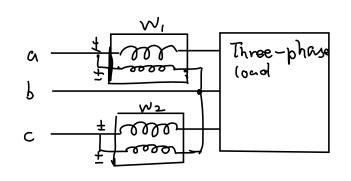
: Q=BVLILSin0 = 3VpIpsin0

贷款
$$S = 3Sp = 3\sqrt{p} \tilde{L}_p^* = 3L^2\tilde{Z}_p = \frac{3V_p^2}{\tilde{Z}_p^3} = 5V_L L L e.$$

The material (transmission line) to deliver the same power and to tolerate the same loss needed is 3/4 times less.

滞ら lagging
$$\Rightarrow$$
 sho 为正、

$$C = \frac{|Q \in I|}{w V_{L^{2}}}$$



$$P_{T} = P_{1} + P_{2}$$
 $P_{1} = V_{2}I_{1} \cos(\theta + 30)$
 $P_{2} = V_{2}I_{1} \cos(\theta - 30)$
 $P_{1} + P_{2} = P_{1}$
 $P_{1} - P_{2} = V_{2}I_{1} \sin\theta = \frac{QT}{T^{2}}$
 $\frac{QT}{P_{1} - P_{2}} = \frac{P_{2} - P_{1}}{P_{2} + P_{1}}$
 $\frac{QT}{P_{2} - P_{1}} = \frac{QT}{T^{2} - P_{1}}$