

项目名称:	OPF V&V	ETAP	页码:	1
地点:	OTI R&D Center	12. 6. 00	日期:	2014-10-21
合同号:	Internal V&V		序列号:	DLRCHN5A2
工程师:	OTI		数据版本:	Base
文件名:	EXAMPLE2-B		配置:	Normal

IEEE 30-bus system for OPF test.
Conditions similar to OPF MIN_P case

母线负荷总结报告

母线			直接连接负荷								总的母线负荷			
			恒容量		恒阻抗		恒电流		通用型		MVA	% PF	安培	百分数 负荷
ID	kV	额定电流	MW	Mvar	MW	Mvar	MW	Mvar	MW	Mvar				
Bus1	138.000		0	0	0	0	0	0	0	0	109.771	98.0	459.2	
Bus2	138.000		21.701	12.098	0	0	0	0	0	0	148.596	97.0	621.7	
Bus3	138.000		2.400	1.200	0	0	0	0	0	0	41.788	99.7	177.9	
Bus4	138.000		7.600	1.602	0	0	0	0	0	0	73.580	95.2	314.5	
Bus5	138.000		94.204	18.981	0	0	0	0	0	0	108.095	89.9	452.2	
Bus6	345.000		0	0	0	0	0	0	0	0	96.911	92.3	165.2	
Bus7	345.000		22.800	10.900	0	0	0	0	0	0	27.521	82.8	47.0	
Bus8	345.000		29.999	30.000	0	0	0	0	0	0	70.170	51.9	118.4	
Bus9	345.000		0	0	0	0	0	0	0	0	76.806	97.0	132.9	
Bus10	345.000		5.800	1.999	90.250	-4.747	0	0	0	0	111.648	98.3	196.7	
Bus11	138.000		0	0	0	0	0	0	0	0	53.272	93.9	222.9	
Bus12	138.000		11.200	7.500	0	0	0	0	0	0	76.368	97.1	321.4	
Bus13	138.000		0	0	0	0	0	0	0	0	60.386	99.4	252.6	
Bus14	138.000		6.200	1.599	0	0	0	0	0	0	12.492	99.1	53.4	
Bus15	138.000		8.200	2.501	0	0	0	0	0	0	42.975	99.4	185.8	
Bus16	345.000		3.500	1.800	0	0	0	0	0	0	14.849	84.9	25.7	
Bus17	345.000		9.000	5.800	0	0	0	0	0	0	10.707	84.1	18.9	
Bus18	345.000		3.200	0.899	0	0	0	0	0	0	17.733	99.8	31.3	
Bus19	345.000		9.500	3.400	0	0	0	0	0	0	15.111	95.0	26.9	
Bus20	345.000		2.200	0.700	0	0	0	0	0	0	7.294	66.3	13.0	
Bus21	138.000		17.501	1.							.829	98.2	78.7	
Bus22	138.000		0	0	0	0	0	0	0	0	9.137	82.7	40.2	
Bus23	138.000		3.200	1.600	0	0	0	0	0	0	17.544	91.8	76.4	
Bus24	138.000		8.700	6.700	0	-23.239	0	0	0	0	26.435	47.7	114.7	
Bus25	138.000		0	0	0	0	0	0	0	0	5.118	69.4	22.5	
Bus26	345.000		3.500	2.300	0	0	0	0	0	0	4.188	83.6	7.5	
Bus27	345.000		0	0	0	0	0	0	0	0	28.721	97.3	50.5	
Bus28	345.000		0	0	0	0	0	0	0	0	28.967	96.5	49.6	
Bus29	345.000		2.400	0.900	0	0	0	0	0	0	6.737	90.9	12.2	
Bus30	345.000		10.600	5.001	0	0	0	0	0	0	11.720	90.4	21.6	

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支路负荷总结报告

支路		电缆及电抗器			变压器				
ID	类型	载流量 (A _{sc})	负荷 电流	%	容量 (MVA)	负荷(输入)		负荷(输出)	
						MVA	%	MVA	%
T 2-6	Transformer				250.000	42.663	17.1	41.892	16.8
T 4-6	Transformer				250.000	52.692	21.1	52.523	21.0
T 4-12	Transformer				250.000	22.682	9.1	21.739	8.7
T 5-7	Transformer				250.000	15.982	6.4	15.670	6.3
T 6-10	Transformer				250.000	24.524	9.8	23.044	9.2
T 9-11	Transformer				250.000	53.272	21.3	51.533	20.6
T 10-21	Transformer				250.000	10.221	4.1	10.200	4.1
T 10-22	Transformer				250.000	4.117	1.6	4.116	1.6
T 12-16	Transformer				250.000	15.290	6.1	14.849	5.9
T 15-18	Transformer				250.000	18.090	7.2	17.704	7.1
T 25-26	Transformer				250.000	4.273	1.7	4.188	1.7
T 25-27	Transformer				250.000	3.785	1.5	3.780	1.5
T 28-27 (1)	Transformer				250.000	9.656	3.9	9.417	3.8
T 28-27 (2)	Transformer				250.000	9.656	3.9	9.417	3.8
T 28-27 (3)	Transformer				250.000	9.656	3.9	9.417	3.8

★ 表示运行负荷超过支路容量的支路