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Bus Loading Summary Report

Bus			Directly Connected Load								Total Bus Load			
			Constant kVA		Constant Z		Constant I		Generic		MVA	% PF	Amp	Percent Loading
ID	kV	Rated Amp	MW	Mvar	MW	Mvar	MW	Mvar	MW	Mvar				
Bus2	33.000		0	0	0	0	0	0	0	0	5.951	73.8	104.1	
Bus3	33.000		0	0	0	0	0	0	0	0	5.951	73.8	104.1	
Bus4	33.000		0	0	0	0	0	0	0	0	0.035	87.8	0.6	
Bus5	33.000		0	0	0	0	0	0	0	0	0.035	87.8	0.6	
Bus6	33.000		0	0	0	0	0	0	0	0	0.038	81.8	0.7	
Bus7	33.000		0	0	0	0	0	0	0	0	5.909	73.8	103.6	
Bus8	33.000		0	0	0	0	0	0	0	0	5.747	72.9	101.4	
Bus9	33.000		0	0	0	0	0	0	0	0	5.720	72.8	101.0	
Bus10	33.000		0	0	0	0	0	0	0	0	5.720	72.8	101.0	
Bus11	33.000		0	0	0	0	0	0	0	0	5.715	72.8	101.0	
Bus12	33.000		0	0	0	0	0	0	0	0	5.620	73.9	101.0	
Bus13	33.000		0	0	0	0	0	0	0	0	5.605	73.8	101.0	
Bus14	33.000		0	0	0	0	0	0	0	0	5.510	73.3	99.6	
Bus15	33.000		0	0	0	0	0	0	0	0	5.420	72.7	98.2	
Bus16	33.000		0	0	0	0	0	0	0	0	5.414	72.7	98.2	
Bus17	33.000		0	0	0	0	0	0	0	0	5.393	72.5	97.9	
Bus18	33.000		0	0	0	0	0	0	0	0	0.927	77.3	16.8	
Bus19	33.000		0	0	0	0	0	0	0	0	0.821	74.1	14.9	
Bus20	33.000		0	0	0	0	0	0	0	0	0.283	96.9	5.1	
Bus21	33.000		0	0	0	0	0	0	0	0	0.191	96.7	3.5	
Bus22	33.000		0	0	0	0	0	0	0	0	0.092	97.4	1.7	
Bus23	33.000		0	0	0	0	0	0	0	0	0.092	97.4	1.7	
Bus24	33.000		0	0	0	0	0	0	0	0	0.092	97.2	1.7	
Bus25	33.000		0	0	0	0	0	0	0	0	0.092	96.9	1.7	
Bus26	33.000		0	0	0	0	0	0	0	0	0.587	57.0	10.7	
Bus27	33.000		0	0	0	0	0	0	0	0	0.587	57.0	10.7	
Bus28	33.000		0	0	0	0	0	0	0	0	0.587	56.9	10.7	
Bus29	33.000		0	0	0	0	0	0	0	0	0.139	93.7	2.5	
Bus30	33.000		0	0	0	0	0	0	0	0	0.444	37.1	8.1	
Bus31	33.000		0	0	0	0	0	0	0	0	0.039	99.8	0.7	
Bus32	33.000		0	0	0	0	0	0	0	0	0.039	99.8	0.7	
Bus33	33.000		0	0	0	0	0	0	0	0	0.039	99.8	0.7	
Bus34	33.000		0	0	0	0	0	0	0	0	0.030	100.0	0.5	
Bus35	33.000		0	0	0	0	0	0	0	0	0.398	28.1	7.2	
Bus36	33.000		0	0	0	0	0	0	0	0	0.027	95.9	0.5	
Bus37	33.000		0	0	0	0	0	0	0	0	0.402	35.2	7.3	

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Bus			Directly Connected Load								Total Bus Load			
			Constant kVA		Constant Z		Constant I		Generic		MVA	% PF	Amp	Percent Loading
ID	kV	Rated Amp	MW	Mvar	MW	Mvar	MW	Mvar	MW	Mvar				
Bus38	33.000		0	0	0	0	0	0	0	0	0.454	61.9	8.3	
Bus39	33.000		0	0	0	0	0	0	0	0	0.155	89.9	2.8	
Bus40	33.000		0	0	0	0	0	0	0	0	0.154	89.8	2.8	
Bus41	33.000		0	0	0	0	0	0	0	0	0.466	72.9	8.5	
Bus42	33.000		0	0	0	0	0	0	0	0	0.585	86.0	10.6	
Bus43	33.000		0	0	0	0	0	0	0	0	0.025	95.7	0.5	
Bus44	33.000		0	0	0	0	0	0	0	0	0.007	95.9	0.1	
Bus45	33.000		0	0	0	0	0	0	0	0	0.687	92.6	12.5	
Bus46	33.000		0	0	0	0	0	0	0	0	0.690	95.5	12.5	
Bus47	33.000		0	0	0	0	0	0	0	0	0.688	95.7	12.5	
Bus48	33.000		0	0	0	0	0	0	0	0	0.688	95.7	12.5	
Bus49	33.000		0	0	0	0	0	0	0	0	0.688	95.7	12.5	
Bus50	33.000		0	0	0	0	0	0	0	0	0.690	95.6	12.5	
Bus51	33.000		0	0	0	0	0	0	0	0	0.002	0.0	0.0	
Bus52	33.000		0	0	0	0	0	0	0	0	0.002	0.0	0.0	
Bus53	33.000		0	0	0	0	0	0	0	0	0.002	0.0	0.0	
Bus54	33.000		0	0	0	0	0	0	0	0	0.002	0.0	0.0	
Bus55	33.000		0	0	0	0	0	0	0	0	0.698	95.7	12.7	
Bus56	33.000		0	0	0	0	0	0	0	0	0.708	95.9	12.8	
Bus57	33.000		0	0	0	0	0	0	0	0	0.709	96.1	12.9	
Bus58	33.000		0	0	0	0	0	0	0	0	2.352	97.6	42.6	
Bus59	33.000		0	0	0	0	0	0	0	0	2.436	98.3	44.1	
Bus60	33.000		0	0	0	0	0	0	0	0	0.103	95.7	1.9	
Bus61	33.000		0	0	0	0	0	0	0	0	2.571	98.1	46.6	
Bus62	33.000		0	0	0	0	0	0	0	0	2.714	98.2	49.2	
Bus63	33.000		0	0	0	0	0	0	0	0	0.146	98.0	2.6	
Bus64	33.000		0	0	0	0	0	0	0	0	0.065	98.2	1.2	
Bus65	33.000		0	0	0	0	0	0	0	0	0.065	98.1	1.2	
Bus66	33.000		0	0	0	0	0	0	0	0	0.068	93.8	1.2	
Bus67	33.000		0	0	0	0	0	0	0	0	2.786	98.2	50.4	
Bus68	33.000		0	0	0	0	0	0	0	0	2.836	98.1	51.0	
Bus69	33.000		0	0	0	0	0	0	0	0	2.928	98.1	52.6	
Bus70	33.000		0	0	0	0	0	0	0	0	3.205	97.5	57.5	
Bus71	33.000		0	0	0	0	0	0	0	0	0.289	86.5	5.2	
Bus72	33.000		0	0	0	0	0	0	0	0	0.248	83.6	4.4	
Bus73	33.000		0	0	0	0	0	0	0	0	3.278	97.4	58.8	
Bus74	33.000		0	0	0	0	0	0	0	0	3.484	97.2	61.9	
Bus75	33.000		0	0	0	0	0	0	0	0	0.087	92.5	1.5	

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			Constant kVA		Constant Z		Constant I		Generic		MVA	% PF	Amp	Percent Loading
ID	kV	Rated Amp	MW	Mvar	MW	Mvar	MW	Mvar	MW	Mvar				
Bus76	33.000		0	0	0	0	0	0	0	0	3.514	97.1	62.4	
Bus77	33.000		0	0	0	0	0	0	0	0	0.029	77.9	0.5	
Bus78	33.000		0	0	0	0	0	0	0	0	3.540	97.1	62.5	
Bus79	33.000		0	0	0	0	0	0	0	0	0.008	96.9	0.1	
Bus80	33.000		0	0	0	0	0	0	0	0	3.954	97.2	69.8	
Bus81	33.000		0	0	0	0	0	0	0	0	3.995	97.1	70.0	
Bus82	33.000		0	0	0	0	0	0	0	0	0.018	77.9	0.3	
Bus83	33.000		0	0	0	0	0	0	0	0	4.061	97.1	71.1	
Bus84	33.000		0	0	0	0	0	0	0	0	0.025	96.9	0.4	
Bus87	33.000		0	0	0	0	0	0	0	0	0.410	97.3	7.2	
Bus88	33.000		0	0	0	0	0	0	0	0	0.061	97.1	1.1	
Bus89	33.000		0	0	0	0	0	0	0	0	0.020	92.8	0.4	
Bus90	33.000		0	0	0	0	0	0	0	0	0.349	97.2	6.2	
Bus91	33.000		0	0	0	0	0	0	0	0	0.013	97.0	0.2	
Bus92	33.000		0	0	0	0	0	0	0	0	0.242	96.7	4.3	
Bus93	33.000		0	0	0	0	0	0	0	0	0.205	97.2	3.6	
Bus94	33.000		0	0	0	0	0	0	0	0	0.171	95.2	3.0	
Bus95	33.000		0	0	0	0	0	0	0	0	0.075	90.7	1.3	
Bus96	33.000		0	0	0	0	0	0	0	0	1.693	95.3	30.7	
Bus97	33.000		0	0	0	0	0	0	0	0	1.693	95.3	30.7	
Bus98	33.000		0	0	0	0	0	0	0	0	1.693	95.3	30.7	
Bus99	33.000		0	0	0	0	0	0	0	0	0.287	93.0	5.2	
Bus100	33.000		0	0	0	0	0	0	0	0	0.212	93.2	3.8	
Bus101	33.000		0	0	0	0	0	0	0	0	0.196	93.1	3.6	
Bus102	33.000		0	0	0	0	0	0	0	0	0.196	93.1	3.6	
Bus103	33.000		0	0	0	0	0	0	0	0	0.198	92.3	3.6	
Bus104	33.000		0	0	0	0	0	0	0	0	0.198	92.0	3.6	
Bus105	33.000		0	0	0	0	0	0	0	0	0.151	91.9	2.7	
Bus106	33.000		0	0	0	0	0	0	0	0	0.105	91.2	1.9	
Bus109	33.000		0	0	0	0	0	0	0	0	0.106	91.0	1.9	
Bus110	33.000		0	0	0	0	0	0	0	0	0.052	91.8	1.0	
Bus111	33.000		0	0	0	0	0	0	0	0	0	0.0	0.0	
Bus112	33.000		0	0	0	0	0	0	0	0	1.406	95.7	25.5	
Bus113	33.000		0	0	0	0	0	0	0	0	1.406	95.7	25.5	
Bus114	33.000		0	0	0	0	0	0	0	0	1.404	95.5	25.5	
Bus115	33.000		0	0	0	0	0	0	0	0	0.076	100.0	1.4	
Bus116	33.000		0	0	0	0	0	0	0	0	1.331	95.0	24.2	
Bus118	33.000		0	0	0	0	0	0	0	0	0.317	96.1	5.8	

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			Constant kVA		Constant Z		Constant I		Generic		MVA	% PF	Amp	Percent Loading
ID	kV	Rated Amp	MW	Mvar	MW	Mvar	MW	Mvar	MW	Mvar				
Bus119	33.000		0	0	0	0	0	0	0	0	0.202	94.3	3.7	
Bus120	33.000		0	0	0	0	0	0	0	0	0.139	96.0	2.5	
Bus122	33.000		0	0	0	0	0	0	0	0	0.139	95.9	2.5	
Bus123	33.000		0	0	0	0	0	0	0	0	0.717	96.5	13.1	
Bus124	33.000		0	0	0	0	0	0	0	0	0.402	96.5	7.3	
Bus125	33.000		0	0	0	0	0	0	0	0	0.400	96.4	7.3	
Bus126	33.000		0	0	0	0	0	0	0	0	0.355	96.0	6.5	
Bus127	33.000		0	0	0	0	0	0	0	0	0.061	94.5	1.1	
Bus135	33.000		0	0	0	0	0	0	0	0	0.062	93.9	1.1	
Bus137	33.000		0	0	0	0	0	0	0	0	0.216	95.8	3.9	
Bus138	33.000		0	0	0	0	0	0	0	0	0.194	96.7	3.5	
Bus139	33.000		0	0	0	0	0	0	0	0	0.169	96.1	3.1	
Bus140	33.000		0	0	0	0	0	0	0	0	0.088	95.9	1.6	
Bus141	33.000		0	0	0	0	0	0	0	0	0.012	92.9	0.2	
Bus142	33.000		0	0	0	0	0	0	0	0	0.616	92.9	11.2	
Bus143	33.000		0	0	0	0	0	0	0	0	0.059	92.9	1.1	
Bus144	33.000		0	0	0	0	0	0	0	0	0.557	92.9	10.1	
Bus145	33.000		0	0	0	0	0	0	0	0	0.464	91.9	8.4	
Bus146	33.000		0	0	0	0	0	0	0	0	0.344	91.3	6.3	
Bus147	33.000		0	0	0	0	0	0	0	0	0.142	98.9	2.6	
Bus148	33.000		0	0	0	0	0	0	0	0	0.087	97.9	1.6	
Bus149	33.000		0	0	0	0	0	0	0	0	0.163	60.7	3.0	
Bus150	33.000		0	0	0	0	0	0	0	0	0.057	97.9	1.0	
Bus151	33.000		0	0	0	0	0	0	0	0	0.126	34.0	2.3	
Bus152	33.000		0	0	0	0	0	0	0	0	0.121	92.5	2.2	
Bus153	33.000		0	0	0	0	0	0	0	0	0.030	98.9	0.6	
Bus154	33.000		0	0	0	0	0	0	0	0	0.094	87.3	1.7	
Bus155	33.000		0	0	0	0	0	0	0	0	0.093	86.9	1.7	
Bus156	33.000		0	0	0	0	0	0	0	0	0.071	85.3	1.3	
Bus157	33.000		0	0	0	0	0	0	0	0	0.001	92.0	0.0	
Bus158	33.000		0	0	0	0	0	0	0	0	4.470	71.5	81.1	
Bus159	33.000		0	0	0	0	0	0	0	0	0.132	94.6	2.4	
Bus160	33.000		0	0	0	0	0	0	0	0	4.350	70.6	79.0	
Bus161	33.000		0	0	0	0	0	0	0	0	4.330	70.3	78.7	
Bus162	33.000		0	0	0	0	0	0	0	0	4.166	68.9	75.7	
Bus163	33.000		0	0	0	0	0	0	0	0	4.166	68.9	75.7	
Bus164	33.000		0	0	0	0	0	0	0	0	4.159	68.9	75.7	
Bus165	33.000		0	0	0	0	0	0	0	0	4.004	66.9	72.9	

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			Constant kVA		Constant Z		Constant I		Generic		MVA	% PF	Amp	Percent Loading
ID	kV	Rated Amp	MW	Mvar	MW	Mvar	MW	Mvar	MW	Mvar				
Bus167	33.000		0	0	0	0	0	0	0	0	4.001	66.8	72.9	
Bus168	33.000		0	0	0	0	0	0	0	0	0.146	89.4	2.7	
Bus169	33.000		0	0	0	0	0	0	0	0	3.864	65.8	70.5	
Bus170	33.000		0	0	0	0	0	0	0	0	3.864	65.8	70.5	
Bus171	33.000		0	0	0	0	0	0	0	0	3.861	65.7	70.5	
Bus173	33.000		0	0	0	0	0	0	0	0	1.104	95.9	20.1	
Bus174	33.000		0	0	0	0	0	0	0	0	0.039	98.0	0.7	
Bus175	33.000		0	0	0	0	0	0	0	0	0.039	96.5	0.7	
Bus176	33.000		0	0	0	0	0	0	0	0	0.035	95.5	0.6	
Bus177	33.000		0	0	0	0	0	0	0	0	0.036	94.8	0.7	
Bus178	33.000		0	0	0	0	0	0	0	0	1.066	95.7	19.5	
Bus179	33.000		0	0	0	0	0	0	0	0	0.992	96.0	18.1	
Bus180	33.000		0	0	0	0	0	0	0	0	0.035	96.9	0.6	
Bus181	33.000		0	0	0	0	0	0	0	0	0.958	95.8	17.5	
Bus182	33.000		0	0	0	0	0	0	0	0	0.908	95.7	16.6	
Bus183	33.000		0	0	0	0	0	0	0	0	0.101	94.7	1.8	
Bus184	33.000		0	0	0	0	0	0	0	0	0.807	95.9	14.8	
Bus185	33.000		0	0	0	0	0	0	0	0	0.751	95.6	13.8	
Bus186	33.000		0	0	0	0	0	0	0	0	0.078	95.7	1.4	
Bus187	33.000		0	0	0	0	0	0	0	0	0.050	94.6	0.9	
Bus188	33.000		0	0	0	0	0	0	0	0	0.624	95.6	11.4	
Bus189	33.000		0	0	0	0	0	0	0	0	0.418	94.8	7.7	
Bus190	33.000		0	0	0	0	0	0	0	0	0.269	94.9	4.9	
Bus191	33.000		0	0	0	0	0	0	0	0	0.230	94.4	4.2	
Bus192	33.000		0	0	0	0	0	0	0	0	0.157	93.4	2.9	
Bus193	33.000		0	0	0	0	0	0	0	0	0.040	95.9	0.7	
Bus194	33.000		0	0	0	0	0	0	0	0	0.126	97.0	2.3	
Bus195	33.000		0	0	0	0	0	0	0	0	0.126	97.0	2.3	
Bus196	33.000		0	0	0	0	0	0	0	0	0.127	96.6	2.3	
Bus197	33.000		0	0	0	0	0	0	0	0	0.112	95.1	2.1	
Bus198	33.000		0	0	0	0	0	0	0	0	0.017	96.0	0.3	
Bus199	33.000		0	0	0	0	0	0	0	0	0.008	97.0	0.2	
Bus201	33.000		0	0	0	0	0	0	0	0	0.097	93.1	1.8	
Bus202	33.000		0	0	0	0	0	0	0	0	0.086	92.9	1.6	
Bus203	33.000		0	0	0	0	0	0	0	0	0.013	87.0	0.2	
Bus229	0.400		0.183	0.037	0	0	0	0	0	0	0.187	98.0	283.6	
Bus230	0.400		0.031	0.021	0	0	0	0	0	0	0.037	82.0	54.5	
Bus231	0.400		0.128	0.042	0	0	0	0	0	0	0.134	95.0	197.8	

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Bus			Directly Connected Load								Total Bus Load			
			Constant kVA		Constant Z		Constant I		Generic		MVA	% PF	Amp	Percent Loading
ID	kV	Rated Amp	MW	Mvar	MW	Mvar	MW	Mvar	MW	Mvar				
Bus233	0.400		0.024	0.009	0	0	0	0	0	0	0.025	94.0	37.0	
Bus234	0.400		0.084	0.021	0	0	0	0	0	0	0.087	97.0	131.8	
Bus235	0.400		0.086	0.025	0	0	0	0	0	0	0.090	96.0	135.3	
Bus237	0.400		0.021	0.003	0	0	0	0	0	0	0.021	99.0	31.7	
Bus238	0.400		0.123	0.040	0	0	0	0	0	0	0.130	95.0	197.8	
Bus239	0.400		0.172	0.056	0	0	0	0	0	0	0.181	95.0	275.5	
Bus240	0.400		0.019	0.006	0	0	0	0	0	0	0.020	95.0	29.9	
Bus246	0.400		0.107	0.035	0	0	0	0	0	0	0.113	95.0	171.4	
Bus247	0.400		0.182	0.046	0	0	0	0	0	0	0.188	97.0	285.6	
Bus248	0.400		0.089	0.022	0	0	0	0	0	0	0.092	97.0	138.4	
Bus249	0.400		0.123	0.041	0	0	0	0	0	0	0.130	95.0	198.3	
Bus250	0.400		0.129	0.047	0	0	0	0	0	0	0.137	94.0	208.1	
Bus251	0.400		0.124	0.031	0	0	0	0	0	0	0.128	97.0	194.5	
Bus252	0.400		0.009	0.002	0	0	0	0	0	0	0.009	97.0	13.9	
Bus253	0.400		0.030	0	0	0	0	0	0	0	0.030	100.0	45.1	
Bus254	0.400		0.026	0.008	0	0	0	0	0	0	0.027	96.0	40.5	
Bus255	0.400		0.030	0.020	0	0	0	0	0	0	0.036	83.0	54.2	
Bus256	0.400		0.138	0.067	0	0	0	0	0	0	0.153	90.0	231.4	
Bus257	0.400		0.001	0	0	0	0	0	0	0	0.001	98.0	1.5	
Bus258	0.400		0.058	0.023	0	0	0	0	0	0	0.062	93.0	93.8	
Bus259	0.400		0.138	0.035	0	0	0	0	0	0	0.143	97.0	216.2	
Bus260	0.400		0.017	0.007	0	0	0	0	0	0	0.018	92.0	27.6	
Bus261	0.400		0.007	0.002	0	0	0	0	0	0	0.007	96.0	10.9	
Bus262	0.400		0.132	0.056	0	0	0	0	0	0	0.143	92.0	217.3	
Bus263	0.400		0.022	0.007	0	0	0	0	0	0	0.023	95.0	34.7	
Bus264	0.400		0.009	0.004	0	0	0	0	0	0	0.010	91.0	14.8	
Bus268	0.400		0.011	0.008	0	0	0	0	0	0	0.014	80.0	20.4	
Bus269	0.400		0.001	0.115	0	0.001	0	0	0	0	0.116	1.0	175.1	
Bus270	0.400		0.098	0.028	0	0	0	0	0	0	0.102	96.0	154.0	
Bus271	0.400		0.126	0.050	0	0	0	0	0	0	0.135	93.0	204.5	
Bus272	0.400		0.068	0.010	0	0	0	0	0	0	0.069	99.0	102.9	
Bus273	0.400		0.035	0.018	0	0	0	0	0	0	0.039	89.0	57.9	
Bus274	0.400		0.084	0.021	0	0	0	0	0	0	0.087	97.0	129.2	
Bus275	0.400		0.043	0.012	0	0	0	0	0	0	0.044	96.0	66.7	
Bus276	0.400		0.205	0.132	0	0	0	0	0	0	0.244	84.0	366.8	
Bus277	0.400		0.084	0.041	0	0	0	0	0	0	0.094	90.0	138.3	
Bus278	0.400		0.079	0.031	0	0	0	0	0	0	0.085	93.0	127.7	
Bus279	0.400		0.023	0.018	0	0	0	0	0	0	0.029	78.0	43.0	

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Bus			Directly Connected Load								Total Bus Load			
			Constant kVA		Constant Z		Constant I		Generic		MVA	% PF	Amp	Percent Loading
ID	kV	Rated Amp	MW	Mvar	MW	Mvar	MW	Mvar	MW	Mvar				
Bus280	0.400		0.055	0.022	0	0	0	0	0	0	0.059	93.0	88.9	
Bus281	0.400		0.091	0.023	0	0	0	0	0	0	0.094	97.0	141.3	
Bus282	0.400		0.075	0.011	0	0	0	0	0	0	0.076	99.0	114.7	
Bus283	0.400		0.084	0.017	0	0	0	0	0	0	0.086	98.0	130.0	
Bus284	0.400		0.056	0.011	0	0	0	0	0	0	0.057	98.0	85.8	
Bus285	0.400		0.021	0.059	0	0	0	0	0	0	0.063	34.0	94.9	
Bus286	0.400		0.021	0.059	0	0	0	0	0	0	0.063	34.0	94.9	
Bus287	0.400		0.008	0.002	0	0	0	0	0	0	0.008	97.0	12.1	
Bus288	0.400		0.040	0.010	0	0	0	0	0	0	0.041	97.0	61.3	
Bus289	0.400		0.019	0.007	0	0	0	0	0	0	0.020	93.0	29.7	
Bus290	0.400		0.013	0.003	0	0	0	0	0	0	0.013	97.0	19.4	
Bus291	0.400		0.035	0.015	0	0	0	0	0	0	0.038	92.0	55.6	
Bus292	0.400		0.036	0	0	0	0	0	0	0	0.036	100.0	52.9	
Bus293	0.400		0.092	0.023	0	0	0	0	0	0	0.095	97.0	139.1	
Bus294	0.400		0.094	0.024	0	0	0	0	0	0	0.097	97.0	142.5	
Bus295	0.400		0.067	0.031	0	0	0	0	0	0	0.074	91.0	108.8	
Bus296	0.400		0.014	0.011	0	0	0	0	0	0	0.018	78.0	25.9	
Bus297	0.400		0.034	0.008	0	0	0	0	0	0	0.035	97.0	50.6	
Bus298	0.400		0.024	0.006	0	0	0	0	0	0	0.025	97.0	35.8	
Bus299	0.400		0.068	0.027	0	0	0	0	0	0	0.073	93.0	108.5	
Bus300	0.400		0.078	0.028	0	0	0	0	0	0	0.083	94.0	125.2	
Bus301	0.400		0.064	0.023	0	0	0	0	0	0	0.068	94.0	102.1	
Bus302	0.400		0.074	0	0	0	0	0	0	0	0.074	100.0	113.6	
Bus303	0.400		0.069	0.030	0	0	0	0	0	0	0.075	92.0	113.3	
Bus304	0.400		0.015	0.012	0	0	0	0	0	0	0.019	78.0	28.8	
Bus305	0.400		0.043	0.018	0	0	0	0	0	0	0.047	92.0	71.0	
Bus306	0.400		0.055	0.011	0	0	0	0	0	0	0.056	98.0	84.9	
Bus307	0.400		0.030	0.004	0	0	0	0	0	0	0.030	99.0	45.5	
Bus308	0.400		0.001	0	0	0	0	0	0	0	0.001	92.0	1.6	
Bus309	0.400		0.020	0.009	0	0	0	0	0	0	0.022	91.0	33.0	
Bus310	0.400		0.059	0.037	0	0	0	0	0	0	0.070	85.0	105.6	
Bus311	0.400		0.001	0	0	0	0	0	0	0	0.001	92.0	1.6	
Bus312	0.400		0.002	0	0	0	0	0	0	0	0.002	100.0	2.9	
Bus313	0.400		0.069	0.014	0	0	0	0	0	0	0.071	98.0	107.0	
Bus314	0.400		0.045	0.009	0	0	0	0	0	0	0.046	98.0	69.1	
Bus315	0.400		0.044	0.006	0	0	0	0	0	0	0.044	99.0	66.8	
Bus316	0.400		0	0	0	0	0	0	0	0	0	0.0	0.0	
Bus317	0.400		0.075	0.025	0	0	0	0	0	0	0.079	95.0	120.2	

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			Constant kVA		Constant Z		Constant I		Generic		MVA	% PF	Amp	Percent Loading
ID	kV	Rated Amp	MW	Mvar	MW	Mvar	MW	Mvar	MW	Mvar				
Bus319	0.400		0.058	0.021	0	0	0	0	0	0	0.061	94.0	92.8	
Bus320	0.400		0.019	0.015	0	0	0	0	0	0	0.024	78.0	36.6	
Bus321	0.400		0.078	0.023	0	0	0	0	0	0	0.081	96.0	123.3	
Bus322	0.400		0.025	0.006	0	0	0	0	0	0	0.026	97.0	39.0	
Bus323	0.400		0.073	0.024	0	0	0	0	0	0	0.077	95.0	116.4	
Bus324	0.400		0.011	0.004	0	0	0	0	0	0	0.012	93.0	17.7	
Bus325	0.400		0.058	0.028	0	0	0	0	0	0	0.064	90.0	96.5	
Bus327	0.400		0.075	0.011	0	0	0	0	0	0	0.076	99.0	114.3	
Bus328	0.400		0.058	0.028	0	0	0	0	0	0	0.064	90.0	96.5	
Bus329	0.400		0.048	0.024	0	0	0	0	0	0	0.054	89.0	81.0	
Bus330	0.400		0.048	0.020	0	0	0	0	0	0	0.052	92.0	78.5	
Bus331	0.400		0.043	0.018	0	0	0	0	0	0	0.047	92.0	70.1	
Bus332	0.400		0.128	0.062	0	0	0	0	0	0	0.143	90.0	219.4	
Bus333	0.400		0.032	0.010	0	0	0	0	0	0	0.034	95.0	50.9	
Bus334	0.400		0.066	0.032	0	0	0	0	0	0	0.074	90.0	112.1	
Bus335	0.400		0.004	0.001	0	0	0	0	0	0	0.004	97.0	6.2	
Bus336	0.400		0.034	0.011	0	0	0	0	0	0	0.035	95.0	53.8	
Bus337	0.400		0.034	0.008	0	0	0	0	0	0	0.035	97.0	52.6	
Bus338	0.400		0.048	0.014	0	0	0	0	0	0	0.050	96.0	75.3	
Bus339	0.400		0.094	0.031	0	0	0	0	0	0	0.099	95.0	152.2	
Bus340	0.400		0.055	0.011	0	0	0	0	0	0	0.056	98.0	85.3	
Bus341	0.400		0.074	0.022	0	0	0	0	0	0	0.077	96.0	118.2	
Bus342	0.400		0.047	0.015	0	0	0	0	0	0	0.049	95.0	75.4	
Bus343	0.400		0.076	0.019	0	0	0	0	0	0	0.078	97.0	120.4	
Bus344	0.400		0.139	0.046	0	0	0	0	0	0	0.146	95.0	226.1	
Bus345	0.400		0.069	0.020	0	0	0	0	0	0	0.072	96.0	111.0	
Bus346	0.400		0.038	0.011	0	0	0	0	0	0	0.040	96.0	60.1	
Bus347	0.400		0.144	0.052	0	0	0	0	0	0	0.154	94.0	237.8	
Bus348	0.400		0.016	0.005	0	0	0	0	0	0	0.017	95.0	25.4	
Bus349	0.400		0.008	0.003	0	0	0	0	0	0	0.009	93.0	12.9	
Bus350	0.400		0.008	0.002	0	0	0	0	0	0	0.008	97.0	12.5	
Bus351	0.400		0.079	0.031	0	0	0	0	0	0	0.085	93.0	129.8	
Bus352	0.400		0.011	0.006	0	0	0	0	0	0	0.013	87.0	19.0	
Bus353	33.000		0	0	0	0	0	0	0	0	2.961	48.7	54.1	
Bus354	33.000		0	0	0	0	0	0	0	0	2.961	48.7	54.1	
Bus355	33.000		0	0	0	0	0	0	0	0	2.958	48.6	54.2	
Bus356	33.000		0	0	0	0	0	0	0	0	0.070	89.8	1.3	
Bus357	0.400		0.063	0.030	0	0	0	0	0	0	0.070	90.0	106.1	

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Bus			Directly Connected Load								Total Bus Load			
			Constant kVA		Constant Z		Constant I		Generic		MVA	% PF	Amp	Percent Loading
ID	kV	Rated Amp	MW	Mvar	MW	Mvar	MW	Mvar	MW	Mvar				
Bus358	33.000		0	0	0	0	0	0	0	0	2.900	47.3	53.1	
Bus359	33.000		0	0	0	0	0	0	0	0	0.003	88.9	0.1	
Bus360	0.400		0.003	0.002	0	0	0	0	0	0	0.003	89.0	5.1	
Bus361	33.000		0	0	0	0	0	0	0	0	4.290	80.4	78.6	
Bus362	33.000		0	0	0	0	0	0	0	0	2.403	86.6	44.0	
Bus363	33.000		0	0	0	0	0	0	0	0	3.698	93.1	67.9	
Bus364	0.400		0.099	0.064	0	0	0	0	0	0	0.118	84.0	180.4	
Bus365	33.000		0	0	0	0	0	0	0	0	3.577	93.3	65.8	
Bus366	33.000		0	0	0	0	0	0	0	0	1.127	88.8	20.7	
Bus367	33.000		0	0	0	0	0	0	0	0	0.843	88.4	15.5	
Bus368	33.000		0	0	0	0	0	0	0	0	0.843	88.4	15.5	
Bus369	33.000		0	0	0	0	0	0	0	0	0.843	88.4	15.5	
Bus370	33.000		0	0	0	0	0	0	0	0	0.768	87.9	14.1	
Bus371	33.000		0	0	0	0	0	0	0	0	0.318	85.5	5.8	
Bus372	0.400		0.268	0.159	0	0	0	0	0	0	0.311	86.0	482.4	
Bus373	33.000		0	0	0	0	0	0	0	0	0.152	88.7	2.8	
Bus374	33.000		0	0	0	0	0	0	0	0	0.153	88.1	2.8	
Bus375	0.400		0.104	0.056	0	0	0	0	0	0	0.119	88.0	181.3	
Bus376	33.000		0	0	0	0	0	0	0	0	0.035	84.9	0.6	
Bus377	0.400		0.030	0.018	0	0	0	0	0	0	0.035	85.0	53.4	
Bus378	0.400		0.198	0.107	0	0	0	0	0	0	0.225	88.0	350.1	
Bus379	0.400		0.067	0.022	0	0	0	0	0	0	0.070	95.0	107.0	
Bus383	0.400		0	0	0	0	0	0	0	0	0.055	100.0	68.8	
Bus384	0.400		0	0	0	0	0	0	0	0	0.513	94.8	651.7	
Bus388	0.400		0	0	0	0	0	0	0	0	0.055	100.0	68.8	
Bus389	0.400		0	0	0	0	0	0	0	0	0.055	100.0	68.8	
Bus390	0.400		0	0	0	0	0	0	0	0	0.055	100.0	68.8	
Bus391	0.400		0	0	0	0	0	0	0	0	0.055	100.0	68.8	
Bus392	0.400		0	0	0	0	0	0	0	0	0.055	100.0	68.8	
Bus393	0.400		0	0	0	0	0	0	0	0	0.055	100.0	68.8	
Bus394	0.400		0	0	0	0	0	0	0	0	0.055	100.0	68.8	
Bus395	0.400		0	0	0	0	0	0	0	0	0.432	87.7	651.6	
Bus396	33.000		0	0	0	0	0	0	0	0	2.404	86.6	44.1	
Bus408	0.400		0	0	0	0	0	0	0	0	0.049	100.0	62.0	
Bus409	0.400		0	0	0	0	0	0	0	0	0.514	94.8	652.3	
Bus410	0.400		0	0	0	0	0	0	0	0	0.049	100.0	62.9	
Bus411	0.400		0	0	0	0	0	0	0	0	0.451	94.8	581.0	
Bus413	0.400		0	0	0	0	0	0	0	0	0.055	100.0	69.9	

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Bus			Directly Connected Load								Total Bus Load			
			Constant kVA		Constant Z		Constant I		Generic		MVA	% PF	Amp	Percent Loading
ID	kV	Rated Amp	MW	Mvar	MW	Mvar	MW	Mvar	MW	Mvar				
Bus414	0.400		0	0	0	0	0	0	0	0	0.055	100.0	69.9	
Bus415	0.400		0	0	0	0	0	0	0	0	0.055	100.0	69.9	
Bus416	0.400		0	0	0	0	0	0	0	0	0.055	100.0	69.9	
Bus417	0.400		0	0	0	0	0	0	0	0	0.055	100.0	69.9	
Bus423	0.400		0	0	0	0	0	0	0	0	0.055	100.0	73.1	
Bus424	0.400		0	0	0	0	0	0	0	0	0.055	100.0	73.1	
Bus425	0.400		0	0	0	0	0	0	0	0	0.055	100.0	73.1	
Bus426	0.400		0	0	0	0	0	0	0	0	0.055	100.0	73.1	
Bus427	0.400		0	0	0	0	0	0	0	0	0.055	100.0	73.1	
Bus428	0.400		0	0	0	0	0	0	0	0	0.285	94.8	384.6	
Bus429	0.400		0	0	0	0	0	0	0	0	0.432	87.7	652.3	
Bus430	0.400		0	0	0	0	0	0	0	0	0.385	88.6	581.0	
Bus431	0.400		0	0	0	0	0	0	0	0	0.255	90.9	384.6	
Bus432	0.400		0	0	0	0	0	0	0	0	0.474	86.8	714.6	
Bus433	0.400		0	0	0	0	0	0	0	0	0.432	87.7	651.6	
Bus434	33.000		0	0	0	0	0	0	0	0	0.076	91.9	1.4	
Bus435	0.400		0.070	0.030	0	0	0	0	0	0	0.076	92.0	115.5	
Bus436	33.000		0	0	0	0	0	0	0	0	0.285	89.8	5.2	
Bus437	0.400		0.071	0.042	0	0	0	0	0	0	0.083	86.0	126.3	
Bus438	33.000		0	0	0	0	0	0	0	0	0.203	90.9	3.7	
Bus439	33.000		0	0	0	0	0	0	0	0	0.114	84.8	2.1	
Bus440	0.400		0.096	0.059	0	0	0	0	0	0	0.113	85.0	172.2	
Bus441	0.400		0.021	0.006	0	0	0	0	0	0	0.022	96.0	33.2	
Bus442	33.000		0	0	0	0	0	0	0	0	0.070	94.9	1.3	
Bus443	0.400		0.067	0.022	0	0	0	0	0	0	0.070	95.0	106.9	
Bus444	33.000		0	0	0	0	0	0	0	0	2.459	95.0	45.2	
Bus446	33.000		0	0	0	0	0	0	0	0	0.138	84.1	2.5	
Bus448	33.000		0	0	0	0	0	0	0	0	0.139	83.8	2.6	
Bus449	0.400		0.116	0.075	0	0	0	0	0	0	0.138	84.0	210.7	
Bus450	33.000		0	0	0	0	0	0	0	0	2.325	95.5	42.8	
Bus451	33.000		0	0	0	0	0	0	0	0	0.040	86.8	0.7	
Bus452	0.400		0.035	0.020	0	0	0	0	0	0	0.040	87.0	61.1	
Bus453	33.000		0	0	0	0	0	0	0	0	2.284	95.6	42.1	
Bus454	33.000		0	0	0	0	0	0	0	0	1.193	94.1	22.0	
Bus455	33.000		0	0	0	0	0	0	0	0	0.234	93.0	4.3	
Bus456	0.400		0.079	0.034	0	0	0	0	0	0	0.086	92.0	132.0	
Bus457	33.000		0	0	0	0	0	0	0	0	0.061	94.9	1.1	
Bus458	0.400		0.079	0.034	0	0	0	0	0	0	0.086	92.0	132.0	

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Bus			Directly Connected Load								Total Bus Load			
			Constant kVA		Constant Z		Constant I		Generic		MVA	% PF	Amp	Percent Loading
ID	kV	Rated Amp	MW	Mvar	MW	Mvar	MW	Mvar	MW	Mvar				
Bus459	0.400		0.058	0.019	0	0	0	0	0	0	0.061	95.0	92.8	
Bus460	33.000		0	0	0	0	0	0	0	0	0.960	94.3	17.7	
Bus461	33.000		0	0	0	0	0	0	0	0	0.797	94.9	14.7	
Bus462	33.000		0	0	0	0	0	0	0	0	0.213	96.0	3.9	
Bus463	0.400		0.036	0.013	0	0	0	0	0	0	0.038	94.0	58.0	
Bus464	33.000		0	0	0	0	0	0	0	0	0.175	96.2	3.2	
Bus465	0.400		0.099	0.029	0	0	0	0	0	0	0.104	96.0	159.0	
Bus466	33.000		0	0	0	0	0	0	0	0	0.071	96.4	1.3	
Bus467	0.400		0.030	0.011	0	0	0	0	0	0	0.032	94.0	48.2	
Bus468	33.000		0	0	0	0	0	0	0	0	0.040	96.9	0.7	
Bus469	0.400		0.039	0.010	0	0	0	0	0	0	0.040	97.0	60.9	
Bus470	33.000		0	0	0	0	0	0	0	0	0.585	94.4	10.8	
Bus471	0.400		0.155	0.061	0	0	0	0	0	0	0.166	93.0	255.8	
Bus472	33.000		0	0	0	0	0	0	0	0	0.418	94.8	7.7	
Bus473	0.400		0.090	0.026	0	0	0	0	0	0	0.094	96.0	144.8	
Bus474	33.000		0	0	0	0	0	0	0	0	0.324	94.2	6.0	
Bus475	0.400		0.036	0.009	0	0	0	0	0	0	0.037	97.0	56.6	
Bus476	33.000		0	0	0	0	0	0	0	0	0.287	93.8	5.3	
Bus477	33.000		0	0	0	0	0	0	0	0	0.287	93.8	5.3	
Bus478	33.000		0	0	0	0	0	0	0	0	0.288	93.5	5.3	
Bus479	33.000		0	0	0	0	0	0	0	0	0.077	92.8	1.4	
Bus480	0.400		0.072	0.028	0	0	0	0	0	0	0.077	93.0	118.0	
Bus481	33.000		0	0	0	0	0	0	0	0	0.079	96.9	1.5	
Bus482	0.400		0.076	0.019	0	0	0	0	0	0	0.078	97.0	119.8	
Bus485	33.000		0	0	0	0	0	0	0	0	0.133	90.9	2.5	
Bus486	33.000		0	0	0	0	0	0	0	0	0.111	89.7	2.1	
Bus487	0.400		0.099	0.048	0	0	0	0	0	0	0.110	90.0	169.5	
Bus488	33.000		0	0	0	0	0	0	0	0	0.023	92.9	0.4	
Bus489	0.400		0.021	0.008	0	0	0	0	0	0	0.022	93.0	34.3	
Bus490	33.000		0	0	0	0	0	0	0	0	0.074	91.7	1.4	
Bus491	0.400		0.068	0.029	0	0	0	0	0	0	0.074	92.0	113.1	
Bus492	33.000		0	0	0	0	0	0	0	0	0.091	87.7	1.7	
Bus493	33.000		0	0	0	0	0	0	0	0	0.013	83.9	0.2	
Bus494	0.400		0.011	0.007	0	0	0	0	0	0	0.013	84.0	19.9	
Bus495	33.000		0	0	0	0	0	0	0	0	0.079	87.5	1.5	
Bus496	33.000		0	0	0	0	0	0	0	0	0.072	84.8	1.3	
Bus497	33.000		0	0	0	0	0	0	0	0	0.009	93.0	0.2	
Bus498	0.400		0.061	0.038	0	0	0	0	0	0	0.071	85.0	109.3	

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Bus			Directly Connected Load								Total Bus Load			
			Constant kVA		Constant Z		Constant I		Generic		MVA	% PF	Amp	Percent Loading
ID	kV	Rated Amp	MW	Mvar	MW	Mvar	MW	Mvar	MW	Mvar				
Bus499	0.400		0.008	0.003	0	0	0	0	0	0	0.009	93.0	13.0	
Bus500	33.000		0	0	0	0	0	0	0	0	1.093	96.9	20.1	
Bus501	33.000		0	0	0	0	0	0	0	0	0.258	96.2	4.8	
Bus502	0.400		0.242	0.061	0	0	0	0	0	0	0.249	97.0	392.4	
Bus503	33.000		0	0	0	0	0	0	0	0	0.157	97.9	2.9	
Bus504	33.000		0	0	0	0	0	0	0	0	0.139	97.6	2.6	
Bus505	33.000		0	0	0	0	0	0	0	0	0.018	99.0	0.3	
Bus506	0.400		0.134	0.027	0	0	0	0	0	0	0.137	98.0	211.9	
Bus507	0.400		0.018	0.003	0	0	0	0	0	0	0.018	99.0	27.4	
Bus508	33.000		0	0	0	0	0	0	0	0	0.678	96.8	12.5	
Bus509	0.400		0.088	0.018	0	0	0	0	0	0	0.090	98.0	136.8	
Bus510	33.000		0	0	0	0	0	0	0	0	0.588	96.6	10.8	
Bus511	0.400		0.008	0.006	0	0	0	0	0	0	0.010	80.0	15.2	
Bus512	33.000		0	0	0	0	0	0	0	0	0.076	97.9	1.4	
Bus513	0.400		0.074	0.015	0	0	0	0	0	0	0.076	98.0	115.2	
Bus514	33.000		0	0	0	0	0	0	0	0	0.491	96.5	9.0	
Bus515	0.400		0.082	0.055	0	0	0	0	0	0	0.099	83.0	151.7	
Bus516	33.000		0	0	0	0	0	0	0	0	0.398	98.3	7.3	
Bus517	0.400		0.053	0.015	0	0	0	0	0	0	0.055	96.0	84.0	
Bus518	33.000		0	0	0	0	0	0	0	0	0.343	98.6	6.3	
Bus519	0.400		0.331	0.047	0	0	0	0	0	0	0.334	99.0	521.7	
Bus520	33.000		0	0	0	0	0	0	0	0	0.012	97.0	0.2	
Bus521	0.400		0.012	0.003	0	0	0	0	0	0	0.012	97.0	18.8	
Bus524	0.400		0	0	0	0	0	0	0	0	0.049	100.0	62.0	
Bus525	0.400		0	0	0	0	0	0	0	0	0.049	100.0	62.0	
Bus526	0.400		0	0	0	0	0	0	0	0	0.049	100.0	62.0	
Bus527	0.400		0	0	0	0	0	0	0	0	0.049	100.0	62.0	
Bus528	0.400		0	0	0	0	0	0	0	0	0.049	100.0	62.0	
Bus529	0.400		0	0	0	0	0	0	0	0	0.049	100.0	62.0	
Bus530	0.400		0	0	0	0	0	0	0	0	0.049	100.0	62.0	
Bus531	0.400		0	0	0	0	0	0	0	0	0.049	100.0	62.0	
Bus533	0.400		0	0	0	0	0	0	0	0	0.055	100.0	67.9	
Bus536	0.400		0	0	0	0	0	0	0	0	0.055	100.0	67.9	
Bus537	0.400		0	0	0	0	0	0	0	0	0.055	100.0	67.9	
Bus538	0.400		0	0	0	0	0	0	0	0	0.055	100.0	67.9	
Bus539	0.400		0	0	0	0	0	0	0	0	0.055	100.0	67.9	
Bus540	0.400		0	0	0	0	0	0	0	0	0.055	100.0	67.9	
Bus541	0.400		0	0	0	0	0	0	0	0	0.055	100.0	67.9	

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Bus			Directly Connected Load								Total Bus Load			
			Constant kVA		Constant Z		Constant I		Generic		MVA	% PF	Amp	Percent Loading
ID	kV	Rated Amp	MW	Mvar	MW	Mvar	MW	Mvar	MW	Mvar				
Bus542	0.400		0	0	0	0	0	0	0	0	0.055	100.0	67.9	
Bus543	0.400		0	0	0	0	0	0	0	0	0.055	100.0	67.9	
Bus544	0.400		0	0	0	0	0	0	0	0	0.055	100.0	67.9	
Bus545	0.400		0	0	0	0	0	0	0	0	0.571	94.8	714.6	
Bus546	0.400		0	0	0	0	0	0	0	0	0.055	100.0	68.8	
Bus547	0.400		0	0	0	0	0	0	0	0	0.055	100.0	68.8	
Bus548	0.400		0	0	0	0	0	0	0	0	0.055	100.0	68.8	
Bus549	0.400		0	0	0	0	0	0	0	0	0.055	100.0	68.8	
Bus550	0.400		0	0	0	0	0	0	0	0	0.055	100.0	68.8	
Bus551	0.400		0	0	0	0	0	0	0	0	0.055	100.0	68.8	
Bus552	0.400		0	0	0	0	0	0	0	0	0.055	100.0	68.8	
Bus553	0.400		0	0	0	0	0	0	0	0	0.055	100.0	68.8	
Bus554	0.400		0	0	0	0	0	0	0	0	0.055	100.0	68.8	
Bus556	0.400		0	0	0	0	0	0	0	0	0.513	94.8	651.7	
Bus558	0.400		0	0	0	0	0	0	0	0	0.055	100.0	69.9	
Bus560	0.400		0	0	0	0	0	0	0	0	0.055	100.0	68.8	
Bus562	0.400		0	0	0	0	0	0	0	0	0.049	100.0	62.0	
Bus564	0.400		0	0	0	0	0	0	0	0	0.055	100.0	69.9	

* Indicates operating load of a bus exceeds the bus critical limit (100.0% of the Continuous Ampere rating).

Indicates operating load of a bus exceeds the bus marginal limit (95.0% of the Continuous Ampere rating).