

In the following, you can find almost all of the information used in [1].

Distribution network information:

Feeder information:

From bus	To bus	Resistance (p.u.)	Reactance (p.u.)	Capacity (MW)
Main grid	1	9.37E-05	4.40E-05	7.274614
Main grid	38	2.12E-04	9.93E-05	7.274614
1	47	8.50E-05	3.99E-05	7.274614
2	36	1.11E-04	3.24E-05	5.369358
2	37	1.29E-04	3.78E-05	5.369358
2	48	1.05E-04	3.07E-05	5.369358
3	49	1.30E-04	3.79E-05	5.369358
4	5	2.13E-04	6.24E-05	5.369358
6	25	1.59E-04	4.65E-05	5.369358
6	26	2.40E-04	7.02E-05	5.369358
52	7	1.08E-04	3.16E-05	5.369358
7	53	1.88E-05	5.51E-06	5.369358
30	8	1.67E-04	4.90E-05	5.369358
9	20	7.69E-05	2.25E-05	5.369358
10	55	1.28E-04	3.76E-05	5.369358
60	11	6.07E-05	1.78E-05	5.369358
13	21	3.65E-05	1.71E-05	7.274614
14	19	4.11E-05	1.93E-05	7.274614
14	45	1.95E-04	5.72E-05	5.369358
15	33	1.29E-04	3.76E-05	5.369358
15	57	5.49E-05	1.61E-05	5.369358
16	43	4.71E-05	2.21E-05	7.274614
51	17	9.40E-05	2.75E-05	5.369358
18	22	4.65E-05	2.18E-05	7.274614
19	42	6.75E-05	3.17E-05	7.274614
20	32	7.96E-05	2.33E-05	5.369358
21	9	1.20E-04	3.52E-05	5.369358
21	60	1.41E-04	4.13E-05	5.369358
22	2	6.24E-05	2.93E-05	7.274614
24	6	1.58E-04	4.62E-05	5.369358
25	46	2.46E-04	7.19E-05	5.369358
27	29	1.24E-04	3.62E-05	5.369358
27	56	1.08E-04	3.15E-05	5.369358
28	59	1.05E-04	3.07E-05	5.369358
31	35	3.48E-04	1.02E-04	5.369358
32	27	1.08E-04	3.17E-05	5.369358
36	3	2.59E-04	7.57E-05	5.369358
37	24	2.28E-04	6.67E-05	5.369358
38	16	1.03E-04	4.84E-05	7.274614
40	39	6.31E-05	1.85E-05	5.369358
40	41	1.32E-04	3.86E-05	5.369358
42	61	6.88E-05	3.23E-05	7.274614
43	14	1.01E-04	4.72E-05	7.274614
44	13	3.55E-05	1.67E-05	7.274614
44	15	1.84E-04	5.39E-05	5.369358
47	34	8.72E-05	2.55E-05	5.369358
47	51	2.62E-05	1.23E-05	7.274614
48	52	1.12E-04	3.29E-05	5.369358
49	50	9.53E-05	2.79E-05	5.369358
50	28	9.62E-05	2.81E-05	5.369358
51	18	3.04E-05	1.43E-05	7.274614
52	23	1.35E-04	3.94E-05	5.369358
52	30	1.60E-04	4.67E-05	5.369358
54	31	1.53E-04	4.48E-05	5.369358
56	10	9.47E-05	2.77E-05	5.369358
57	40	1.47E-04	4.30E-05	5.369358
11	58	8.35E-05	2.45E-05	5.369358
58	12	1.15E-04	3.36E-05	5.369358
59	4	1.06E-04	3.11E-05	5.369358
60	54	7.87E-05	2.30E-05	5.369358

61	44	5.76E-05	2.71E-05	7.274614
8	54	9.46E-05	2.77E-05	5.369358

Substation bus information:

Bus number	Active peak load (MW)	Reactive peak load (MVar)	VOLL (€/MWh)
1	0.2589	0.245955	2330
2	0.2853	0.271035	1610
3	0.0927	0.088065	2990
4	0.0828	0.07866	2450
5	0.0945	0.089775	2790
6	0.2058	0.19551	2480
7	0.12	0.114	2510
8	0.2973	0.282435	2830
9	0.0669	0.063555	2630
10	0.1497	0.142215	2990
11	0.1032	0.09804	2990
12	0.2982	0.28329	2450
13	0.1611	0.153045	1510
14	0.114	0.1083	2990
15	0.1509	0.143355	2990
16	0.0354	0.03363	2990
17	0.306	0.2907	2450
18	0.1158	0.11001	6000
19	0.2142	0.20349	2670
20	0.1506	0.14307	2410
21	0.1908	0.18126	2780
22	0.00219	0.002081	2450
23	0.0963	0.091485	1400
24	0.00993	0.009434	2850
25	0.072	0.0684	3310
26	0.249	0.23655	1280
27	0.0732	0.06954	1580
28	0.1497	0.142215	2450
29	0.1119	0.106305	2450
30	0.0213	0.020235	2990
31	0.2574	0.24453	2990
32	0.0462	0.04389	2450
33	0.372	0.3534	1020
34	0.0306	0.02907	1920
35	0.1758	0.16701	1790
36	0.1692	0.16074	3380
37	0.1668	0.15846	1920
38	0.0726	0.06897	1040
39	0.1662	0.15789	2990
40	0.1179	0.112005	2990
41	0.2634	0.25023	2450
42	0.1755	0.166725	2450
43	0.0342	0.03249	2450
44	0.02208	0.020976	2450
45	0.01821	0.0173	2450
46	0.429	0.40755	2450
47	0.267	0.25365	2450
48	0.096	0.0912	1790
49	0.0681	0.064695	3380
50	0.01833	0.017414	1040
51	0.2442	0.23199	1590
52	0.2346	0.22287	2990
53	0.1155	0.109725	2450
54	0.1305	0.123975	1530
55	0.0711	0.067545	786
56	0.36	0.342	1600
57	0.0891	0.084645	1810
58	0.0954	0.09063	3110
59	0.1059	0.100605	2990
60	0.1266	0.12027	2990
61	0.1047	0.099465	2450

References:

[1] A. Safdarian, M. Fotuhi-Firuzabad, and M. Lehtonen, "Benefits of Demand Response on Operation of Distribution Networks: A Case Study," *IEEE Systems Journal*.