



Also this combined current flow is the same value as we calculated was necessary to supply the demand if the power was generated at 11000 V.

Total MW	U1 MW	MVARs	p.f.	Current	U2 MW	MVARs	p.f.	Current	Combined Current (Amps)
56.50	39.55	23.70	0.86	4191.58	16.95	8.00	0.90	1704.00	5895.58
56.50	39.55	23.60	0.86	4186.92	16.95	8.10	0.90	1707.90	5894.82
56.50	39.55	23.50	0.86	4182.27	16.95	8.20	0.90	1711.84	5894.11
56.50	39.55	23.40	0.86	4177.63	16.95	8.30	0.90	1715.82	5893.45
56.50	39.55	23.30	0.86	4173.01	16.95	8.40	0.90	1719.84	5892.85
56.50	39.55	23.20	0.86	4168.40	16.95	8.50	0.89	1723.89	5892.30
56.50	39.55	23.10	0.86	4163.81	16.95	8.60	0.89	1727.99	5891.80
56.50	39.55	23.00	0.86	4159.23	16.95	8.70	0.89	1732.12	5891.35
56.50	39.55	22.90	0.87	4154.67	16.95	8.80	0.89	1736.29	5890.96
56.50	39.55	22.80	0.87	4150.13	16.95	8.90	0.89	1740.50	5890.62
56.50	39.55	22.70	0.87	4145.59	16.95	9.00	0.88	1744.74	5890.34
56.50	39.55	22.60	0.87	4141.08	16.95	9.10	0.88	1749.02	5890.10
56.50	39.55	22.50	0.87	4136.57	16.95	9.20	0.88	1753.34	5889.92
56.50	39.55	22.40	0.87	4132.09	16.95	9.30	0.88	1757.70	5889.78
56.50	39.55	22.30	0.87	4127.62	16.95	9.40	0.87	1762.09	5889.70
56.50	39.55	22.20	0.87	4123.16	16.95	9.50	0.87	1766.51	5889.67
56.50	39.55	22.10	0.87	4118.72	16.95	9.60	0.87	1770.98	5889.69
56.50	39.55	22.00	0.87	4114.29	16.95	9.70	0.87	1775.47	5889.77
56.50	39.55	21.90	0.87	4109.88	16.95	9.80	0.87	1780.01	5889.89
56.50	39.55	21.80	0.88	4105.49	16.95	9.90	0.86	1784.57	5890.06
56.50	39.55	21.70	0.88	4101.11	16.95	10.00	0.86	1789.18	5890.28

Current flow = 5889.67 Amps

