Manufacturer: Xantrex Technology, Inc.

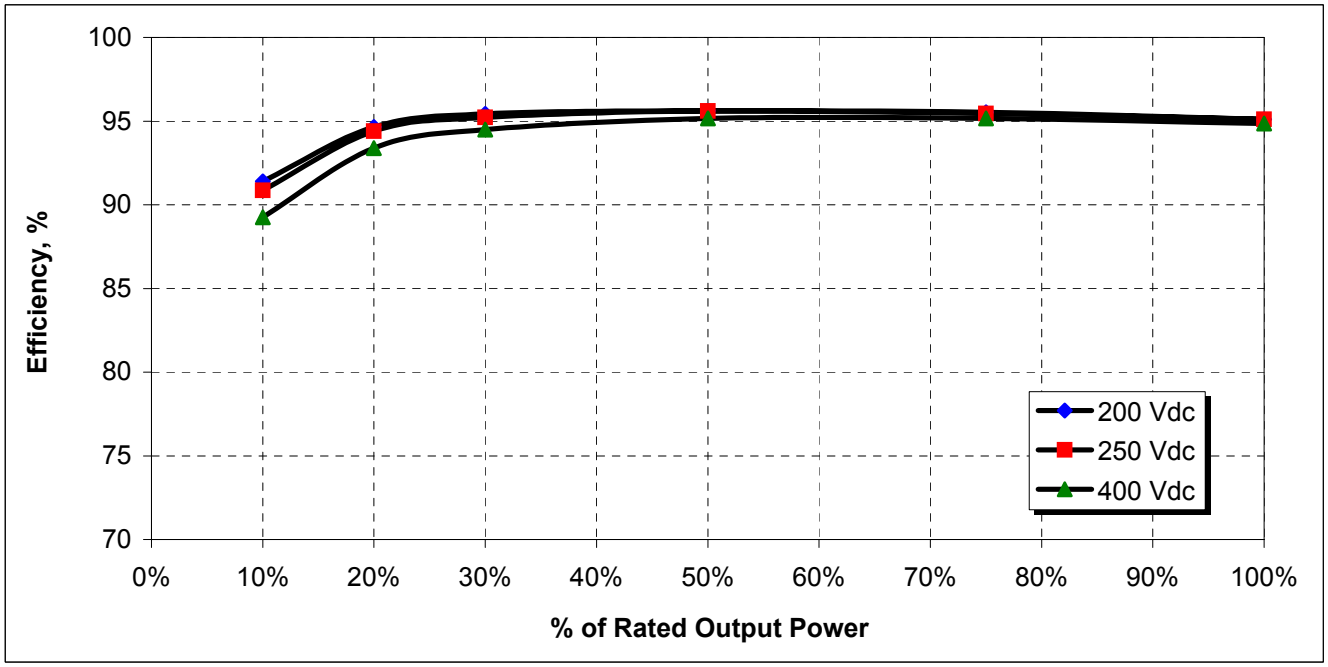
Model #: GT3.3N 240/208 - 208V

Rated Maximum Continuous Output Power @25°C: 3.100 kW Night Tare Loss: 1.24 W
Rated Maximum Continuous Output Power @40°C: 3.100 kW Night Tare Loss: 1.24 W

Vmin: 200 Vdc Vnom: 250 Vdc Vmax: 400 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.31	0.62	0.93	1.55	2.33	3.10	Wtd
Vmin	200	91.4	94.7	95.4	95.6	95.5	95.1	95.3
Vnom	250	90.9	94.4	95.2	95.6	95.4	95.1	95.2
Vmax	400	89.3	93.4	94.5	95.2	95.2	94.9	94.7

CEC Efficiency = 95.0%



Inverter Efficiency Data

Minimum of 5 samples required

Specified		Sample #1			Sample #2			Sample #3			Sample #4			Sample #5		
Output Power	Input Voltage	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency
(% of rated)	(Vdc)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	306.54	200.94	91.441	304.98	200.94	91.402	304.98	200.94	91.395	304.59	200.94	91.393	304.99	200.94	91.397
20%	Vmin	674.347	200.81	94.646	674.49	200.81	94.650	674.45	200.81	94.652	673.79	200.8	94.647	674.51	200.81	94.658
30%	Vmin	1001.85	200.68	95.425	999.73	200.68	95.421	999.79	200.68	95.422	999.77	200.68	95.427	999.71	200.68	95.423
50%	Vmin	1695.17	200.4	95.623	1696.2	200.4	95.623	1695.8	200.4	95.627	1695.9	200.4	95.622	1695.3	200.4	95.626
75%	Vmin	2196.77	200.19	95.526	2190.6	200.19	95.525	2187.5	200.19	95.529	2187	200.2	95.524	2187.3	200.19	95.527
100%	Vmin	2997.07	200.93	95.104	2997.5	200.93	95.102	2997.8	200.93	95.106	2996.7	200.92	95.110	2997.7	200.92	95.103
10%	Vnom	307.65	249.98	90.859	307.72	249.98	90.860	307.61	249.98	90.848	307.63	249.98	90.847	307.66	249.98	90.855
20%	Vnom	680.65	249.88	94.424	673.78	249.97	94.401	673.09	249.98	94.396	673.94	249.98	94.400	673.95	249.98	94.402
30%	Vnom	1000.07	249.77	95.227	1000.2	249.77	95.228	1000.1	249.77	95.224	1000.2	249.77	95.228	1000.1	249.77	95.224
50%	Vnom	1695.63	249.54	95.597	1695.7	249.54	95.598	1695.1	249.54	95.598	1694.9	249.54	95.596	1695.4	249.54	95.597
75%	Vnom	2196.17	249.38	95.442	2196.1	249.38	95.439	2196.3	249.38	95.443	2196.3	249.38	95.443	2196.3	249.38	95.443
100%	Vnom	2998.23	249.12	95.095	2997.1	249.49	95.096	2997.3	250.01	95.098	2997.3	250.01	95.099	2997.3	250.01	95.098
10%	Vmax	303.373	400.09	89.262	303.08	400.09	89.261	303.14	400.09	89.257	303.33	400.1	89.254	303.22	400.09	89.260
20%	Vmax	679.527	400.02	93.382	679.48	400.02	93.380	679.44	400.02	93.383	678.72	400.02	93.384	679.53	400.02	93.386
30%	Vmax	1001.33	399.96	94.497	1001.3	399.95	94.498	1001.2	399.95	94.491	1001.4	399.95	94.498	1001.3	399.96	94.496
50%	Vmax	1694.67	399.81	95.159	1694.9	399.81	95.157	1694.6	399.81	95.157	1694.7	399.81	95.158	1695.6	399.81	95.158
75%	Vmax	2185.2	399.71	95.161	2185.2	399.72	95.166	2185.4	399.71	95.167	2185.3	399.72	95.163	2185.4	399.72	95.164
100%	Vmax	3184.37	399.93	94.861	3182.1	399.93	94.860	3183.6	399.93	94.858	3183.9	399.93	94.855	3183.9	399.93	94.854

Specified		Sample #6			Sample #7			Sample #8			Sample #9			Sample #10		
Output Power	Input Voltage	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency
(% of rated)	(Vdc)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	304.95	200.94	91.392	305.01	200.94	91.403									
20%	Vmin	674.433	200.8	94.646	674.46	200.81	94.651									
30%	Vmin	999.687	200.68	95.423	999.65	200.68	95.420									
50%	Vmin	1695.3	200.4	95.625	1695.3	200.4	95.630									
75%	Vmin	2187.33	200.19	95.529	2187.4	200.19	95.535									
100%	Vmin	2996.67	200.93	95.109	2997.9	200.92	95.103									
10%	Vnom	307.65	249.98	90.854	307.63	249.98	90.855									
20%	Vnom	673.933	249.98	94.397	674.08	249.98	94.397									
30%	Vnom	1000.13	249.77	95.224	1000.2	249.77	95.224									
50%	Vnom	1695.23	249.55	95.598	1696	249.55	95.601									
75%	Vnom	2196.17	249.38	95.440	2196.1	249.38	95.443									
100%	Vnom	2997.37	250.02	95.099	2997.2	250.01	95.097									
10%	Vmax	303.203	400.09	89.254	302.9	400.09	89.249									
20%	Vmax	679.613	400.02	93.388	679.65	400.03	93.385									
30%	Vmax	1001.4	399.95	94.502	1001.4	399.95	94.493									
50%	Vmax	1694.77	399.81	95.157	1694.8	399.81	95.158									
75%	Vmax	2185.47	399.72	95.169	2185.2	399.71	95.167									
100%	Vmax	3183.93	399.93	94.854	3182.5	399.93	94.849									