Manufacturer: Xantrex Technology, Inc

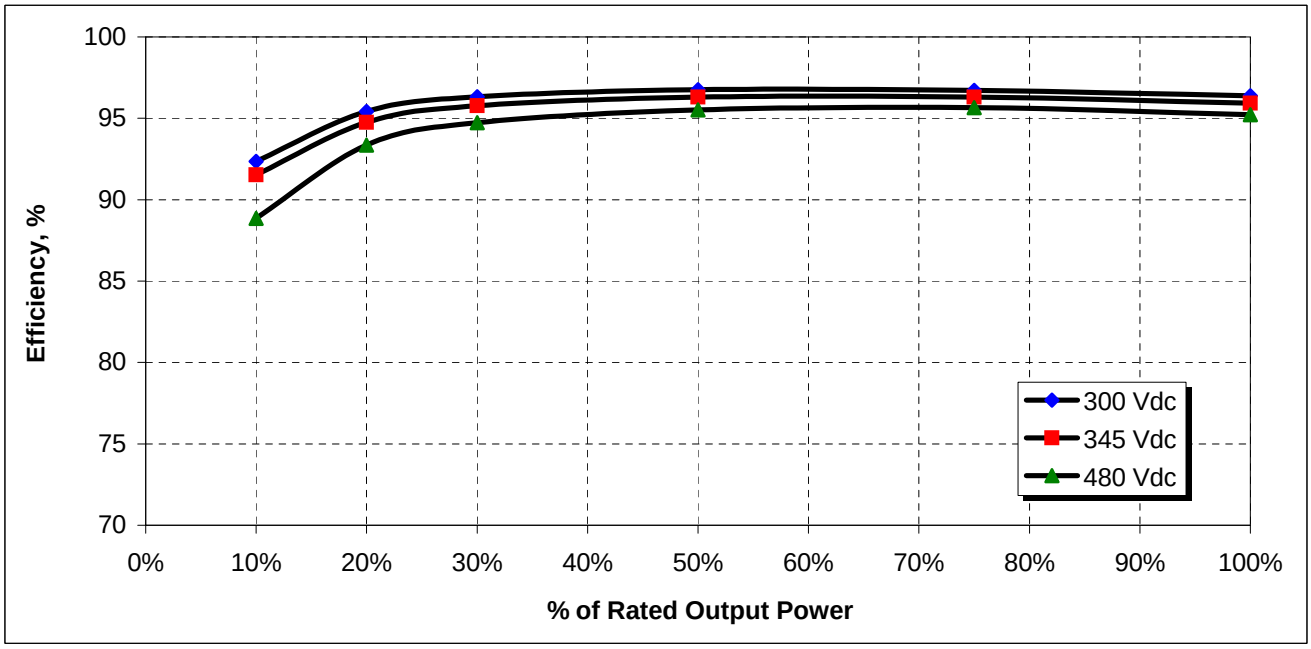
Model #: GT100-480-PG, 3-Phase Inverter

Rated Maximum Continuous Output Power @25°C: 100 kW Night Tare Loss: 92.0 W
Rated Maximum Continuous Output Power @40°C: 100 kW Night Tare Loss: 92.0 W

Vmin: 300 Vdc Vnom: 345 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		10.00	20.00	30.00	50.00	75.00	100.00	Wtd
Vmin	300	92.4	95.4	96.3	96.7	96.7	96.4	96.4
Vnom	345	91.5	94.8	95.8	96.3	96.3	95.9	96.0
Vmax	480	88.8	93.4	94.7	95.5	95.7	95.2	95.1

CEC Efficiency = 96.0%



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	8863.03	303.22	92.297	8890.2	303.22	92.330	8908.2	303.21	92.353	8917	303.21	92.368	8924	303.22	92.377
20%	Vmin	18033.7	302.95	95.487	18031	302.94	95.449	18038	302.94	95.426	18040	302.95	95.406	18036	302.95	95.393
30%	Vmin	27719	302.63	96.312	27734	302.63	96.314	27741	302.63	96.315	27748	302.63	96.317	27754	302.63	96.317
50%	Vmin	45505	301.89	96.743	45499	301.9	96.745	45489	301.91	96.747	45481	301.91	96.748	45476	301.92	96.750
75%	Vmin	70195.7	301.06	96.716	70415	301.05	96.720	70570	301.04	96.721	70672	301.03	96.724	70744	301.03	96.725
100%	Vmin	96162	300.03	96.379	96132	300.02	96.374	96098	300.01	96.374	96070	300	96.375	96066	299.99	96.376
10%	Vnom	9102.1	344.02	91.528	9101.6	344.02	91.531	9102.2	344.03	91.535	9102.8	344.05	91.538	9103.3	344.06	91.539
20%	Vnom	18117.7	343.85	94.749	18123	343.86	94.753	18120	343.86	94.753	18126	343.86	94.755	18130	343.86	94.755
30%	Vnom	27998	343.55	95.775	28005	343.55	95.776	28010	343.54	95.777	28015	343.54	95.780	28019	343.54	95.779
50%	Vnom	45705.3	343.91	96.299	45702	343.91	96.301	45700	343.9	96.302	45698	343.9	96.300	45698	343.9	96.302
75%	Vnom	70412.7	344.19	96.306	70405	344.19	96.306	70402	344.19	96.307	70393	344.19	96.308	70390	344.19	96.309
100%	Vnom	95523	344.41	95.926	95523	344.41	95.925	95518	344.41	95.924	95512	344.41	95.923	95497	344.41	95.921
10%	Vmax	8519	480.06	88.825	8532.4	480.05	88.837	8541.9	480.03	88.845	8548.5	480.02	88.853	8553.3	480	88.857
20%	Vmax	18177.3	479.81	93.372	18155	479.82	93.366	18139	479.84	93.362	18125	479.86	93.362	18112	479.88	93.361
30%	Vmax	28007.7	478.67	94.727	28037	478.67	94.721	28031	478.66	94.723	28030	478.65	94.727	28025	478.65	94.728
50%	Vmax	45657.3	479.19	95.525	45660	479.2	95.524	45664	479.21	95.522	45669	479.21	95.520	45668	479.22	95.519
75%	Vmax	70397.3	479.67	95.652	70398	479.66	95.653	70402	479.66	95.654	70401	479.66	95.655	70397	479.68	95.656
100%	Vmax	95474.3	479.09	95.217	95470	479.09	95.216	95477	479.09	95.220	95482	479.1	95.218	95469	479.1	95.219

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	8926.9	303.23	92.384	8924.6	303.24	92.382									
20%	Vmin	18031.7	302.95	95.382	18023	302.95	95.375									
30%	Vmin	27761.3	302.63	96.319	27769	302.63	96.320									
50%	Vmin	45468	301.93	96.749	45468	301.93	96.750									
75%	Vmin	70818.7	301.02	96.724	70876	301.02	96.724									
100%	Vmin	96071	299.98	96.375	96068	299.98	96.373									
10%	Vnom	9103.77	344.07	91.540	9104.2	344.07	91.542									
20%	Vnom	18128.7	343.86	94.752	18123	343.86	94.754									
30%	Vnom	28019	343.54	95.782	28019	343.54	95.782									
50%	Vnom	45692	343.9	96.301	45691	343.91	96.301									
75%	Vnom	70388.3	344.19	96.310	70392	344.2	96.310									
100%	Vnom	95488.3	344.42	95.920	95489	344.42	95.920									
10%	Vmax	8557.2	479.99	88.859	8560.3	479.99	88.865									
20%	Vmax	18105	479.88	93.360	18100	479.88	93.360									
30%	Vmax	28020.3	478.65	94.729	28018	478.64	94.731									
50%	Vmax	45669.7	479.22	95.519	45670	479.22	95.517									
75%	Vmax	70396.3	479.69	95.656	70393	479.7	95.656									
100%	Vmax	95455.7	479.08	95.218	95444	479.07	95.218									