Manufacturer: Xantrex Technology, Inc.

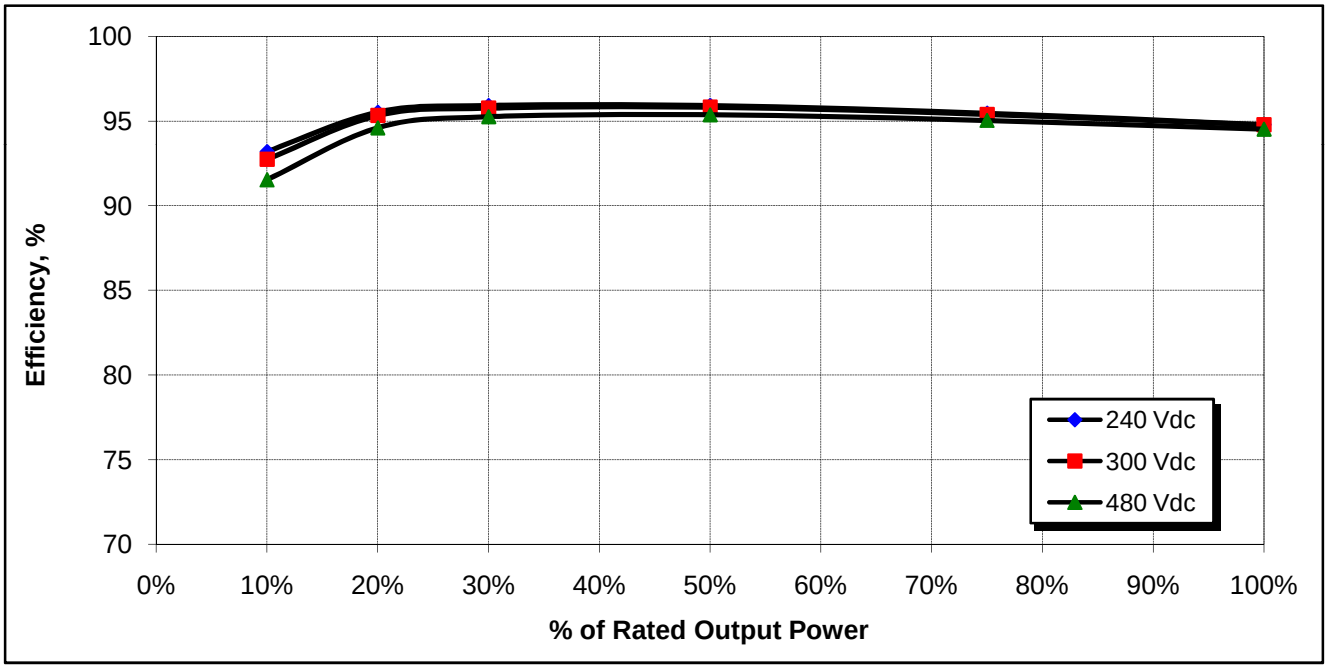
Model #: GT5.0 240/208 - 240Vac

Rated Maximum Continuous Output Power @25°C: 5.000 kW Night Tare Loss: 1.00 W
Rated Maximum Continuous Output Power @40°C: 5.000 kW Night Tare Loss: 1.00 W

Vmin: 240 Vdc Vnom: 300 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.50	1.00	1.50	2.50	3.75	5.00	Wtd
Vmin	240	93.2	95.5	95.9	95.9	95.5	94.8	95.5
Vnom	300	92.7	95.3	95.8	95.8	95.4	94.8	95.4
Vmax	480	91.5	94.6	95.3	95.4	95.1	94.5	95.0

CEC Efficiency = 95.5%



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	-487.69	239.9	93.167	-490.8	239.89	93.196	-491.5	239.89	93.204	-491.4	239.89	93.200	-491.4	239.89	93.200
20%	Vmin	-1094.6	239.71	95.523	-1095	239.71	95.532	-1095	239.71	95.523	-1095	239.71	95.523	-1095	239.71	95.526
30%	Vmin	-1615.2	239.56	95.920	-1615	239.56	95.917	-1615	239.56	95.921	-1615	239.56	95.925	-1615	239.56	95.921
50%	Vmin	-2475	239.31	95.917	-2455	239.3	95.926	-2481	239.3	95.920	-2480	239.3	95.920	-2481	239.3	95.917
75%	Vmin	-3559.3	238.98	95.462	-3559	238.98	95.462	-3559	238.97	95.464	-3559	238.97	95.462	-3559	238.98	95.461
100%	Vmin	-4760.2	239.61	94.800	-4757	239.6	94.795	-4756	239.6	94.793	-4756	239.6	94.790	-4756	239.59	94.789
10%	Vnom	-486.89	299.99	92.743	-486.8	299.98	92.740	-486.8	299.98	92.744	-486.9	299.97	92.739	-487.1	299.97	92.746
20%	Vnom	-1096.2	299.85	95.327	-1094	299.84	95.328	-1094	299.83	95.328	-1094	299.83	95.325	-1094	299.83	95.325
30%	Vnom	-1620.6	299.71	95.767	-1618	299.7	95.764	-1618	299.7	95.764	-1618	299.7	95.762	-1618	299.7	95.764
50%	Vnom	-2493.7	299.5	95.816	-2462	299.5	95.825	-2461	299.5	95.825	-2462	299.49	95.824	-2462	299.49	95.824
75%	Vnom	-3585.8	299.23	95.387	-3572	299.23	95.393	-3557	299.23	95.398	-3557	299.23	95.398	-3557	299.23	95.399
100%	Vnom	-4762.1	298.95	94.777	-4761	298.94	94.775	-4758	298.94	94.778	-4758	298.93	94.780	-4758	298.92	94.779
10%	Vmax	-491.13	480.27	91.531	-491.3	480.27	91.536	-491.4	480.27	91.539	-491.4	480.27	91.539	-491.3	480.27	91.531
20%	Vmax	-1097.8	480.15	94.619	-1092	480.17	94.605	-1092	480.17	94.605	-1092	480	94.613	-1092	479.99	94.609
30%	Vmax	-1670.4	480.07	95.298	-1614	480.09	95.259	-1613	480.09	95.259	-1612	480.1	95.264	-1612	480.1	95.263
50%	Vmax	-2781.7	479.9	95.365	-2616	479.93	95.383	-2596	479.93	95.387	-2596	479.94	95.386	-2596	479.94	95.386
75%	Vmax	-3699.8	479.76	95.010	-3621	479.77	95.045	-3586	479.78	95.057	-3575	479.78	95.061	-3575	479.78	95.061
100%	Vmax	-4757.9	479.31	94.531	-4758	479.31	94.530	-4758	479.31	94.530	-4758	479.32	94.528	-4758	479.31	94.532

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	-491.44	239.89	93.202	-491.4	239.89	93.194									
20%	Vmin	-1094.6	239.71	95.529	-1095	239.71	95.532									
30%	Vmin	-1615.3	239.56	95.920	-1615	239.56	95.922									
50%	Vmin	-2480.6	239.3	95.918	-2481	239.3	95.920									
75%	Vmin	-3559.2	238.97	95.462	-3559	238.97	95.461									
100%	Vmin	-4755.5	239.59	94.788	-4756	239.59	94.787									
10%	Vnom	-487.11	299.97	92.750	-487.1	299.97	92.739									
20%	Vnom	-1094.4	299.83	95.328	-1094	299.82	95.331									
30%	Vnom	-1618	299.7	95.768	-1618	299.7	95.766									
50%	Vnom	-2461.8	299.49	95.827	-2462	299.49	95.826									
75%	Vnom	-3556.6	299.22	95.400	-3557	299.22	95.400									
100%	Vnom	-4758	298.92	94.776	-4758	298.92	94.777									
10%	Vmax	-491.38	480.27	91.535	-491.4	480.27	91.538									
20%	Vmax	-1092.1	479.99	94.612	-1093	479.99	94.608									
30%	Vmax	-1612.6	480.1	95.262	-1613	480.1	95.260									
50%	Vmax	-2576.9	479.94	95.389	-2472	479.96	95.391									
75%	Vmax	-3575.5	479.79	95.064	-3575	479.79	95.064									
100%	Vmax	-4757.9	479.31	94.532	-4758	479.32	94.531									