Manufacturer: Xantrex Technology, Inc.

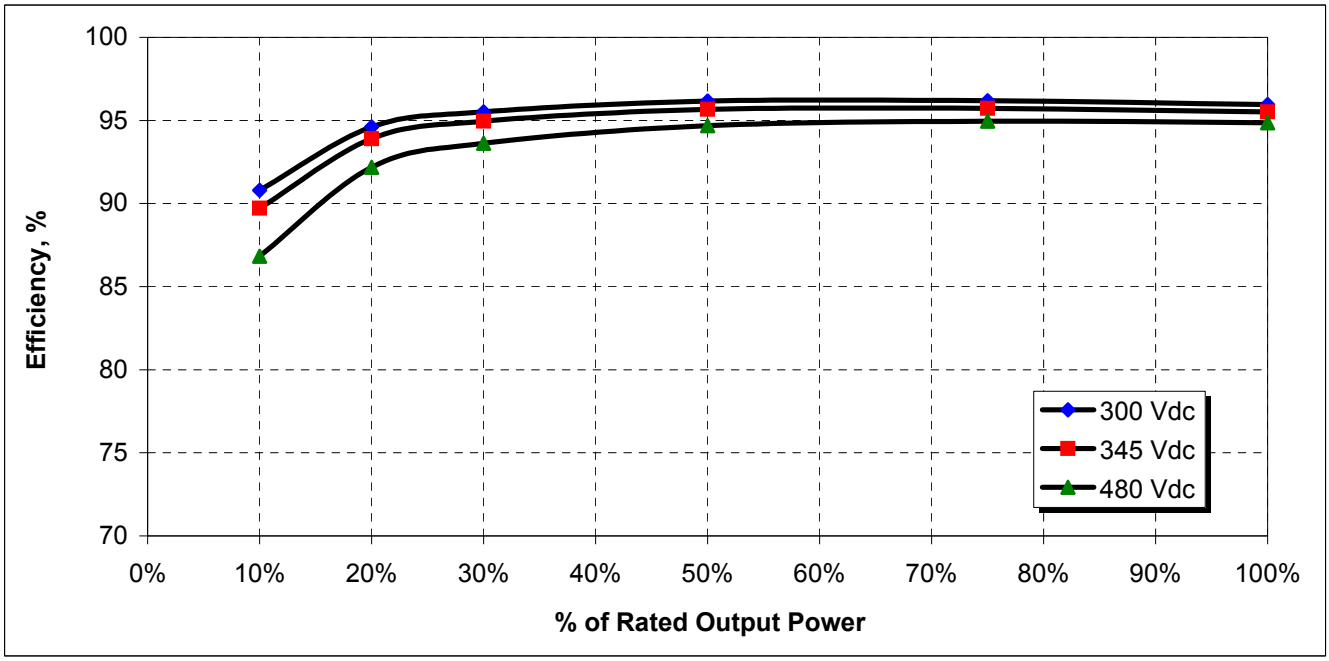
Model #: GT100-208

Rated Maximum Continuous Output Power @25°C: 100.0 kW Night Tare Loss: 95.0 W
Rated Maximum Continuous Output Power @40°C: 100.0 kW Night Tare Loss: 95.0 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	90.8	94.6	95.5	96.2	96.2	95.9	95.8
Vnom	345	89.7	93.9	94.9	95.7	95.7	95.5	95.3
Vmax	480	86.8	92.2	93.6	94.7	94.9	94.9	94.3

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	8621.67	303.51	90.804	8615.1	303.49	90.800	8607.1	303.48	90.794	8601.8	303.47	90.789	8604.8	303.47	90.792
20%	Vmin	18734.3	302.95	94.613	18730	302.95	94.614	18728	302.97	94.614	18728	302.99	94.613	18724	303.02	94.613
30%	Vmin	27761	302.63	95.512	27763	302.64	95.513	27768	302.65	95.516	27767	302.66	95.513	27768	302.67	95.514
50%	Vmin	45889.7	302.14	96.173	45894	302.14	96.176	45904	302.15	96.175	45909	302.15	96.173	45915	302.17	96.173
75%	Vmin	70018.7	301.09	96.192	70077	301.09	96.188	70119	301.09	96.186	70076	301.11	96.186	70162	301.12	96.183
100%	Vmin	96522.7	303.12	95.946	96466	303.14	95.950	96436	303.14	95.950	96416	303.15	95.949	96406	303.16	95.951
10%	Vnom	8597.8	344.22	89.716	8596.2	344.22	89.713	8596.6	344.24	89.713	8596.4	344.26	89.714	8596.3	344.3	89.714
20%	Vnom	18743	344.99	93.906	18744	344.99	93.902	18747	345.01	93.903	18748	345.01	93.902	18748	345	93.905
30%	Vnom	27860.3	344.49	94.954	27861	344.49	94.955	27856	344.5	94.953	27850	344.51	94.949	27850	344.52	94.947
50%	Vnom	46016	345.07	95.655	46017	345.07	95.655	46030	345.09	95.658	46039	345.1	95.661	46042	345.12	95.662
75%	Vnom	70394.7	345.35	95.737	70367	345.37	95.736	70340	345.38	95.735	70318	345.39	95.734	70304	345.41	95.732
100%	Vnom	95485.7	344.44	95.519	95490	344.44	95.519	95490	344.45	95.518	95486	344.45	95.520	95485	344.45	95.520
10%	Vmax	8670.4	480.26	86.838	8665.5	480.24	86.831	8666	480.23	86.832	8662.5	480.24	86.828	8662	480.27	86.823
20%	Vmax	18744	479.14	92.210	18739	479.11	92.202	18736	479.09	92.193	18734	479.1	92.185	18734	479.1	92.179
30%	Vmax	27795.3	479.87	93.622	27803	479.88	93.623	27809	479.9	93.626	27812	479.93	93.626	27816	479.94	93.630
50%	Vmax	46059	479.37	94.684	46050	479.37	94.681	46043	479.37	94.681	46036	479.38	94.681	46033	479.38	94.683
75%	Vmax	70357.3	479.78	94.948	70338	479.78	94.949	70318	479.78	94.948	70304	479.79	94.948	70294	479.81	94.948
100%	Vmax	95549.3	480.3	94.854	95540	480.3	94.853	95533	480.28	94.851	95524	480.28	94.852	95516	480.28	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	8602.6	303.48	90.788	8596.2	303.48	90.782									
20%	Vmin	18723.7	303.04	94.615	18724	303.05	94.615									
30%	Vmin	27764.3	302.67	95.515	27762	302.67	95.515									
50%	Vmin	45916.3	302.18	96.174	45917	302.18	96.174									
75%	Vmin	70236.7	301.14	96.182	70180	301.15	96.183									
100%	Vmin	96399	303.16	95.946	96391	303.17	95.948									
10%	Vnom	8596.93	344.33	89.716	8592.6	344.35	89.713									
20%	Vnom	18748	345.01	93.907	18748	345.02	93.906									
30%	Vnom	27846.7	344.53	94.943	27846	344.53	94.942									
50%	Vnom	46047.7	345.14	95.664	46050	345.16	95.664									
75%	Vnom	70291.3	345.43	95.733	70284	345.46	95.731									
100%	Vnom	95484	344.46	95.518	95487	344.46	95.518									
10%	Vmax	8667.07	480.28	86.827	8668.8	480.29	86.828									
20%	Vmax	18732.7	479.06	92.176	18731	479.03	92.174									
30%	Vmax	27817	479.96	93.630	27815	479.95	93.631									
50%	Vmax	46034	479.39	94.684	46031	479.41	94.684									
75%	Vmax	70291	479.84	94.945	70293	479.84	94.946									
100%	Vmax	95509.3	480.31	94.855	95505	480.33	94.856									