Manufacturer: Xantrex Technology Inc.

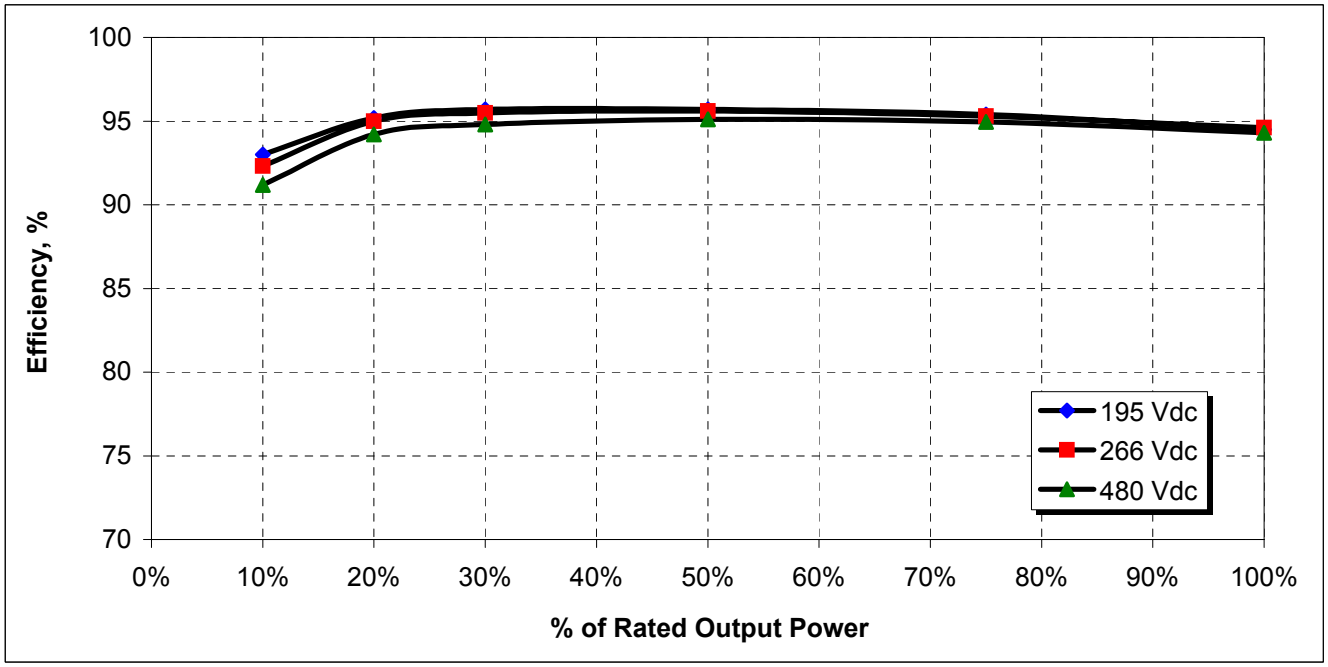
Model #: GT3.8-NA-DS-240-P

Rated Maximum Continuous Output Power @25°C: 3.800 kW Night Tare Loss: 1.00 W
Rated Maximum Continuous Output Power @40°C: 3.800 kW Night Tare Loss: 1.00 W

Vmin: 195 Vdc Vnom: 266 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.38	0.76	1.14	1.90	2.85	3.80	Wtd
Vmin	195	93.0	95.2	95.7	95.7	95.4	94.5	95.3
Vnom	266	92.3	95.0	95.5	95.6	95.3	94.6	95.2
Vmax	480	91.2	94.2	94.8	95.1	95.0	94.3	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	375.75	195.1	93.000	375.57	195.1	93.000	375.96	195.11	93.000	376.07	195.11	93.000	375.57	195.1	93.000
20%	Vmin	834.09	195.13	95.100	834.91	195.13	95.200	834.77	195.13	95.200	832.93	195.13	95.200	834.19	195.12	95.200
30%	Vmin	1240	195.2	95.700	1240	195.2	95.700	1240	195.2	95.700	1240	195.2	95.700	1240	195.2	95.700
50%	Vmin	1980	195.54	95.700	1980	195.54	95.700	1980	195.54	95.700	1980	195.54	95.700	1980	195.54	95.700
75%	Vmin	2700	194.11	95.400	2690	194.11	95.400	2700	194.11	95.400	2700	194.11	95.400	2690	194.11	95.400
100%	Vmin	3760	195.4	94.500	3770	195.39	94.500	3770	195.4	94.500	3760	195.41	94.500	3770	195.4	94.500
10%	Vnom	374.49	266.14	92.300	374.12	266.15	92.300	375.55	266.15	92.300	375.95	266.15	92.300	375.06	266.15	92.300
20%	Vnom	816.49	266.02	95.000	819.48	266.01	95.000	822.62	266.02	95.000	811.03	266.02	95.000	819.99	266.02	95.000
30%	Vnom	1230	265.91	95.400	1230	265.91	95.500	1230	265.91	95.500	1230	265.92	95.500	1230	265.91	95.500
50%	Vnom	1980	265.7	95.600	1960	265.7	95.600	1980	265.69	95.600	1980	265.7	95.600	1980	265.69	95.600
75%	Vnom	2670	265.51	95.300	2660	265.51	95.300	2660	265.52	95.300	2670	266.51	95.300	2670	265.51	95.300
100%	Vnom	3770	265.19	94.600	3770	265.19	94.600	3760	265.2	94.600	3770	265.2	94.600	3760	265.19	94.600
10%	Vmax	377.43	480.55	91.200	376.28	480.55	91.200	379.96	480.55	91.200	377	480.55	91.200	377.06	480.56	91.200
20%	Vmax	825.67	480.47	94.200	826.69	480.47	94.200	826.23	480.47	94.200	825.75	480.47	94.200	822.81	480.47	94.200
30%	Vmax	1220	480.41	94.800	1210	480.41	94.800	1210	480.41	94.800	1210	480.41	94.800	1210	480.41	94.800
50%	Vmax	1940	480.31	95.100	1940	480.31	95.100	1940	480.31	95.100	1940	480.31	95.100	1940	480.31	95.100
75%	Vmax	2680	480.18	94.900	2680	480.18	95.000	2680	480.18	95.000	2680	480.18	95.000	2680	480.18	94.900
100%	Vmax	3760	480	94.300	3750	480.01	94.300	3750	480.02	94.300	3750	480.01	94.300	3750	480.01	94.300

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	375.36	195.11	93.000	375.61	195.11	93.000									
20%	Vmin	833.75	195.13	95.200	833.66	195.13	95.200									
30%	Vmin	1240	195.2	95.700	1240	195.2	95.700									
50%	Vmin	1980	195.54	95.700	1980	195.54	95.700									
75%	Vmin	2700	194.11	95.400	2700	194.11	95.400									
100%	Vmin	3770	195.4	94.500	3760	195.4	94.500									
10%	Vnom	375.3	266.15	92.400	375.78	266.15	92.300									
20%	Vnom	821.77	266.02	95.000	814.93	266.02	95.000									
30%	Vnom	1230	265.91	95.500	1230	265.91	95.500									
50%	Vnom	1970	265.7	95.600	1970	265.7	95.600									
75%	Vnom	2670	265.51	95.300	2660	265.52	95.300									
100%	Vnom	3770	265.19	94.600	3760	265.2	94.600									
10%	Vmax	378.22	480.55	91.200	376.81	480.55	91.100									
20%	Vmax	824.09	480.47	94.200	824.94	480.47	94.200									
30%	Vmax	1210	480.41	94.800	1210	480.41	94.800									
50%	Vmax	1940	480.31	95.100	1940	480.31	95.100									
75%	Vmax	2680	480.18	95.000	2680	480.18	94.900									
100%	Vmax	3750	480.01	94.300	3750	480	94.300									