Manufacturer: Xantrex Technology Inc.

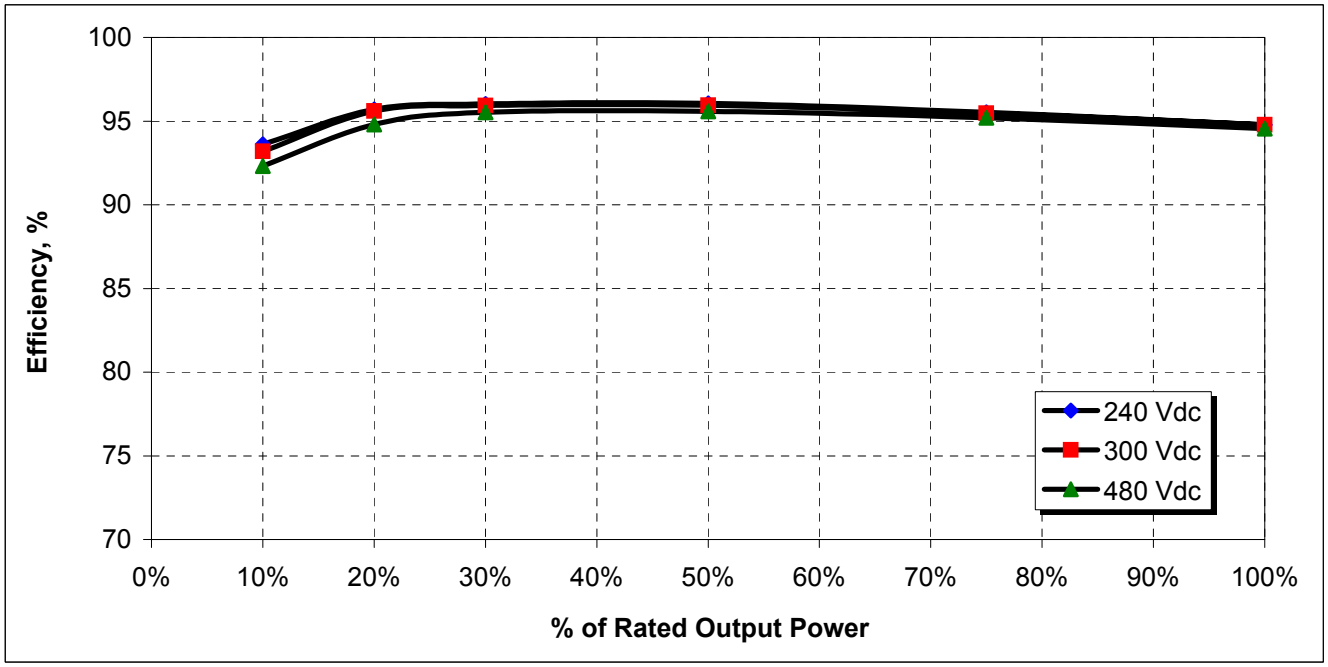
Model #: GT 5.0-POS

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	93.6	95.7	96.0	96.1	95.5	94.8	95.6
Vnom	300	93.2	95.6	95.9	95.9	95.5	94.8	95.5
Vmax	480	92.3	94.8	95.5	95.6	95.2	94.6	95.2

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	498.10	240.00	93.61	498.20	240.00	93.61	498.20	240.00	93.63	497.90	240.00	93.62	498.10	240.00	93.63
20%	Vmin	1096.80	239.90	95.69	1097.30	239.80	95.71	1095.50	239.80	95.71	1098.10	239.80	95.70	1096.20	239.80	95.70
30%	Vmin	1618.50	239.70	96.03	1619.40	239.70	96.02	1619.10	239.70	96.03	1619.70	239.70	96.02	1619.20	239.70	96.03
50%	Vmin	2258.60	239.60	96.02	2258.80	239.60	96.03	2260.00	239.60	96.02	2260.00	239.60	96.03	2260.00	239.60	96.30
75%	Vmin	3514.50	239.20	95.53	3515.30	239.20	95.52	3515.70	239.20	95.52	3516.50	239.20	95.53	3514.80	239.20	95.53
100%	Vmin	4766.60	239.70	94.79	4765.80	239.70	94.79	4767.70	239.70	94.78	4766.70	239.70	94.78	4764.80	239.70	94.79
10%	Vnom	496.90	300.10	93.20	497.10	300.10	93.20	497.40	300.10	93.21	496.40	300.10	93.18	496.90	300.10	93.20
20%	Vnom	1086.10	299.90	95.61	1085.20	299.90	95.60	1085.90	300.00	95.60	1085.90	300.00	95.60	1084.90	300.00	95.60
30%	Vnom	1620.30	299.90	95.93	1620.60	299.90	95.92	1619.90	299.90	95.93	1620.70	299.90	95.93	1620.30	299.80	95.92
50%	Vnom	2258.50	299.70	95.94	2258.40	299.70	95.94	2259.10	299.70	95.94	2258.30	299.70	95.94	2258.40	299.70	95.94
75%	Vnom	3518.30	299.50	95.47	3518.50	299.50	95.47	3518.30	299.50	95.47	3517.20	299.50	95.46	3517.90	299.50	95.47
100%	Vnom	4766.00	299.20	94.78	4766.00	299.20	94.78	4766.00	299.20	94.78	4766.00	299.20	94.78	4766.00	299.20	94.78
10%	Vmax	483.40	480.30	92.31	483.40	480.30	92.30	483.40	480.30	92.31	483.00	480.30	92.31	483.50	480.30	92.32
20%	Vmax	1087.80	480.30	94.92	1087.90	480.30	94.92	1087.80	480.30	94.92	1085.40	480.30	94.90	1087.80	480.30	94.10
30%	Vmax	1612.00	480.20	95.52	1611.90	480.20	95.52	1611.80	480.20	95.52	1611.00	480.20	95.52	1611.50	480.20	95.52
50%	Vmax	2261.30	480.10	95.59	2264.80	480.10	95.59	2262.80	480.10	95.59	2255.30	480.10	95.59	2261.60	480.10	95.59
75%	Vmax	3521.70	479.90	95.20	3522.20	479.90	95.21	3521.40	479.90	95.21	3520.80	479.90	95.21	3521.10	479.90	95.21
100%	Vmax	4768.00	479.79	94.56	4763.00	479.79	94.56	4772.00	479.79	94.56	4763.00	479.79	94.56	4768.00	479.79	94.56

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	498.00	240.00	93.62	498.10	240.00	93.63									
20%	Vmin	1096.50	239.80	95.70	1096.60	239.80	95.71									
30%	Vmin	1618.40	239.70	96.02	1619.30	239.70	96.03									
50%	Vmin	2261.10	239.60	96.02	2261.10	239.60	96.02									
75%	Vmin	3515.50	239.20	95.52	3516.70	239.20	95.53									
100%	Vmin	4765.90	239.70	94.79	4766.20	239.70	94.78									
10%	Vnom	497.30	300.10	93.21	497.30	300.10	93.20									
20%	Vnom	1084.70	300.00	95.60	1083.90	300.00	95.60									
30%	Vnom	1620.00	299.80	95.93	1620.30	299.80	95.92									
50%	Vnom	2258.40	299.70	95.94	2257.80	299.70	95.94									
75%	Vnom	3518.10	299.50	95.47	3518.50	299.50	95.47									
100%	Vnom	4766.00	299.20	94.78	4766.00	299.20	94.79									
10%	Vmax	482.50	480.30	92.30	482.60	480.30	92.30									
20%	Vmax	1087.70	480.30	94.91	1086.20	480.30	94.91									
30%	Vmax	1611.40	480.20	95.52	1611.40	480.20	95.52									
50%	Vmax	2264.80	480.10	95.59	2253.70	480.10	95.59									
75%	Vmax	3522.40	479.90	95.21	3522.40	479.90	95.21									
100%	Vmax	4769.00	479.78	94.56	4770.00	479.79	94.56									