Manufacturer: Xantrex Technology, Inc.

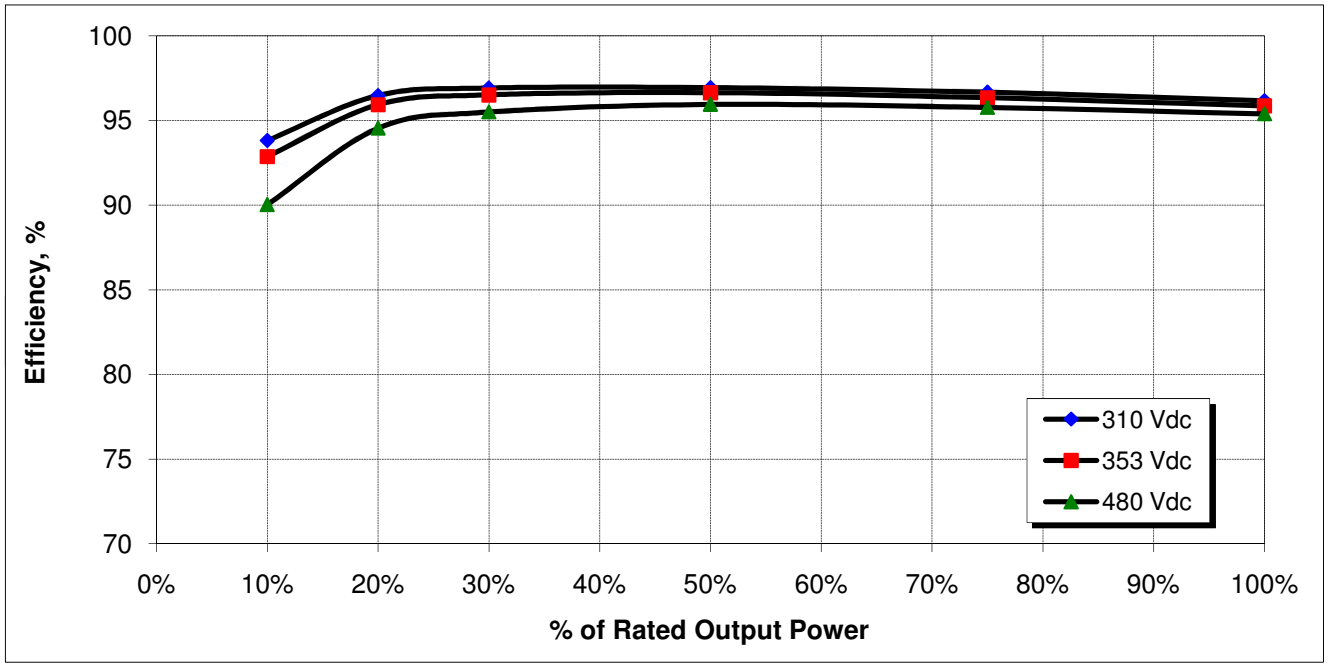
Model #: GT500-480

Rated Maximum Continuous Output Power @25°C: 500.0 kW Night Tare Loss: -335.80 W
Rated Maximum Continuous Output Power @40°C: 500.0 kW Night Tare Loss: -335.80 W

Vmin: 310 Vdc Vnom: 353 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		50.00	100.00	150.00	250.00	375.00	500.00	Wtd
Vmin	310	93.8	96.5	96.9	96.9	96.7	96.2	96.60
Vnom	353	92.9	95.9	96.5	96.6	96.3	95.9	96.24
Vmax	480	90.0	94.5	95.5	95.9	95.8	95.4	95.46

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	46491.3	310.6	93.8	46495.0	310.6	93.8	46498.3	310.6	93.8	46502.0	310.6	93.8	46505.0	310.6	93.8
20%	Vmin	108730.0	310.3	96.5	108730.0	310.3	96.5	108730.0	310.3	96.5	108740.0	310.3	96.5	108740.0	310.3	96.5
30%	Vmin	161500.0	311.0	96.9	161503.3	311.0	96.9	161510.0	311.0	96.9	161510.0	311.0	96.9	161510.0	311.0	96.9
50%	Vmin	239656.7	310.5	96.9	239650.0	310.5	96.9	239640.0	310.5	96.9	239640.0	310.5	96.9	239640.0	310.5	96.9
75%	Vmin	351340.0	310.9	96.7	351340.0	310.9	96.7	351353.3	310.9	96.7	351343.3	310.9	96.7	351333.3	310.9	96.7
100%	Vmin	479083.3	310.2	96.2	479080.0	310.2	96.2	479080.0	310.2	96.2	479073.3	310.2	96.2	479080.0	310.2	96.2
10%	Vnom	46915.0	353.4	92.9	46915.0	353.4	92.9	46915.7	353.4	92.9	46916.0	353.4	92.9	46915.7	353.4	92.9
20%	Vnom	108750.0	353.1	95.9	108756.7	353.1	95.9	108770.0	353.1	95.9	108780.0	353.1	95.9	108790.0	353.1	95.9
30%	Vnom	160030.0	353.6	96.5	160030.0	353.6	96.5	160030.0	353.6	96.5	160036.7	353.6	96.5	160030.0	353.6	96.5
50%	Vnom	239933.3	353.4	96.6	239566.7	353.4	96.6	239236.7	353.4	96.6	238926.7	353.4	96.6	238640.0	353.4	96.6
75%	Vnom	351280.0	353.7	96.3	351290.0	353.7	96.3	351276.7	353.7	96.3	351250.0	353.7	96.3	351236.7	353.7	96.3
100%	Vnom	478923.3	353.2	95.9	478916.7	353.2	95.9	478926.7	353.2	95.9	478933.3	353.2	95.9	478936.7	353.2	95.9
10%	Vmax	49046.0	473.6	90.0	49047.0	473.6	90.0	49047.7	473.6	90.0	49049.0	473.6	90.0	49050.0	473.6	90.0
20%	Vmax	109960.0	473.4	94.5	109960.0	473.4	94.5	109960.0	473.4	94.5	109966.7	473.4	94.5	109970.0	473.4	94.5
30%	Vmax	160510.0	473.7	95.5	160510.0	473.7	95.5	160516.7	473.7	95.5	160520.0	473.7	95.5	160530.0	473.7	95.5
50%	Vmax	270930.0	473.4	95.9	270923.3	473.4	95.9	270913.3	473.5	95.9	270910.0	473.5	95.9	270900.0	473.4	95.9
75%	Vmax	351300.0	473.2	95.8	351293.3	473.2	95.8	351283.3	473.1	95.8	351273.3	473.1	95.8	351260.0	473.1	95.8
100%	Vmax	479176.7	471.9	95.4	479173.3	471.9	95.4	479180.0	471.9	95.4	479163.3	471.9	95.4	479146.7	471.9	95.4

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	46508.7	310.6	93.8	46511.3	310.6	93.8									
20%	Vmin	108740.0	310.3	96.5	108743.3	310.3	96.5									
30%	Vmin	161510.0	311.0	96.9	161510.0	311.0	96.9									
50%	Vmin	239640.0	310.5	96.9	239630.0	310.5	96.9									
75%	Vmin	351333.3	310.9	96.7	351350.0	310.9	96.7									
100%	Vmin	479080.0	310.2	96.2	479080.0	310.2	96.2									
10%	Vnom	46915.0	353.4	92.9	46914.3	353.4	92.9									
20%	Vnom	108800.0	353.1	95.9	108806.7	353.1	95.9									
30%	Vnom	160030.0	353.6	96.5	160026.7	353.6	96.5									
50%	Vnom	238390.0	353.3	96.6	238156.7	353.3	96.6									
75%	Vnom	351240.0	353.7	96.3	351240.0	353.7	96.3									
100%	Vnom	478940.0	353.2	95.9	478940.0	353.1	95.9									
10%	Vmax	49051.3	473.6	90.0	49052.3	473.6	90.0									
20%	Vmax	109976.7	473.4	94.5	109980.0	473.4	94.5									
30%	Vmax	160533.3	473.7	95.5	160540.0	473.7	95.5									
50%	Vmax	270900.0	473.4	96.0	270903.3	473.4	96.0									
75%	Vmax	351250.0	473.1	95.8	351260.0	473.1	95.8									
100%	Vmax	479130.0	471.9	95.4	479130.0	471.9	95.4									