Manufacturer: Xantrex Technologies

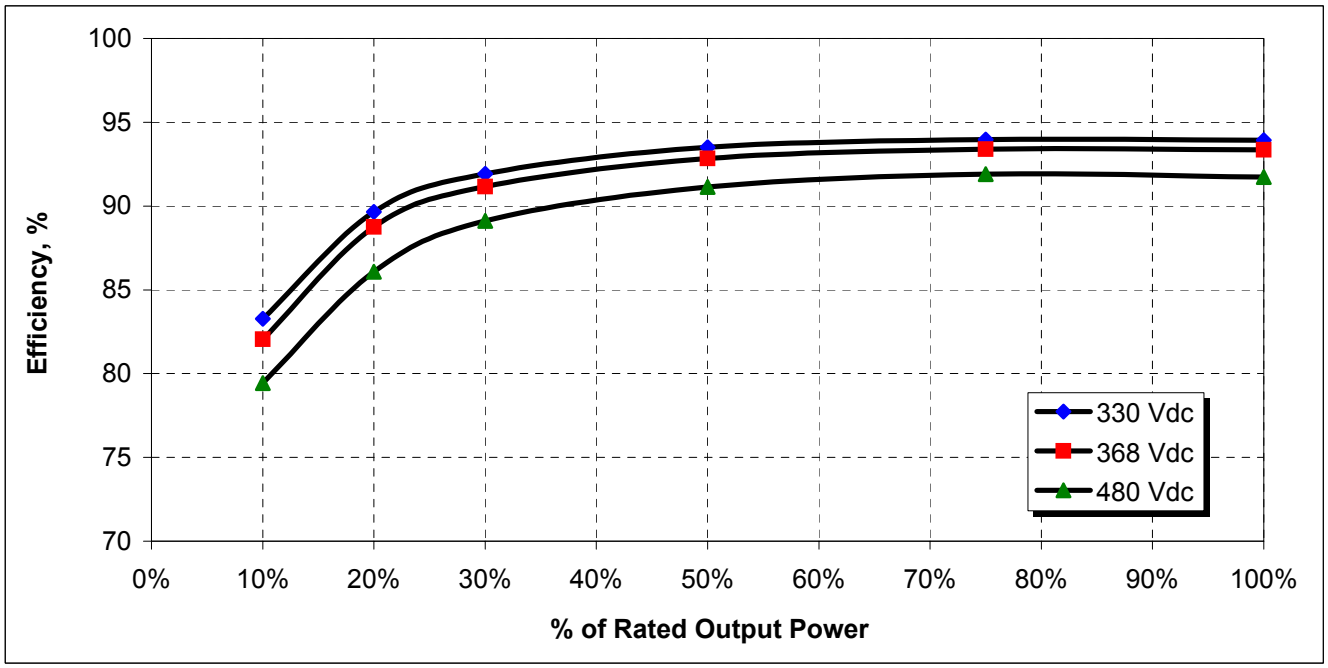
Model #: PV10-with 480-xfmr

Rated Maximum Continuous Output Power: 10.24 kW Night Tare Loss: 114.20 W

Vmin: 330 Vdc Vnom: 368 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		1.02	2.05	3.07	5.12	7.68	10.24	Wtd
Vmin	330	83.3	89.6	91.9	93.5	94.0	93.9	93.0
Vnom	368	82.0	88.8	91.2	92.8	93.4	93.3	92.3
Vmax	480	79.4	86.1	89.1	91.1	91.9	91.7	90.6

CEC Efficiency = 92.0%



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)	(%)	(kW)	(Vdc)	(%)
10%	Vmin	1.0541	330.22	83.230	1.0547	330.22	83.250	1.0553	330.22	83.270	1.0554	330.22	83.270	1.0556	330.22	83.280
20%	Vmin	2.0607	330.24	89.650	2.0604	330.24	89.640	2.0601	330.24	89.650	2.0599	330.23	89.650	2.0598	330.23	89.650
30%	Vmin	3.0838	330.15	91.900	3.0838	330.15	91.910	3.0838	330.15	91.910	3.0841	330.15	91.920	3.0842	330.15	91.920
50%	Vmin	5.0218	331.05	93.490	5.0224	331.05	93.510	5.0224	331.05	93.510	5.0223	331.05	93.500	5.0224	331.05	93.510
75%	Vmin	7.594	330.87	93.960	7.595	330.87	93.960	7.595	330.87	93.960	7.596	330.87	93.970	7.596	330.87	93.970
100%	Vmin	10.173	330.56	93.920	10.174	330.59	93.920	10.174	330.61	93.920	10.175	330.63	93.920	10.175	330.68	93.920
10%	Vnom	1.0713	368.56	82.050	1.0711	368.56	82.030	1.0714	368.56	82.050	1.0713	368.56	82.040	1.0713	368.56	82.040
20%	Vnom	2.1013	368.51	88.730	2.1021	368.59	88.740	2.1021	368.59	88.750	2.1022	358.58	88.760	2.1022	368.58	88.760
30%	Vnom	3.1378	368.5	91.150	3.138	368.5	91.160	3.1383	368.51	91.170	3.1382	368.51	91.160	3.1384	368.51	91.160
50%	Vnom	5.0811	368.44	92.820	5.0821	368.44	92.820	5.0829	368.44	92.830	5.0834	368.43	92.830	5.0835	368.43	92.840
75%	Vnom	7.666	368.22	93.400	7.667	368.22	93.390	7.669	368.22	93.410	7.668	368.22	93.390	7.668	368.22	93.390
100%	Vnom	10.267	368.17	93.340	10.268	368.18	93.340	10.268	368.18	93.350	10.267	368.18	93.350	10.267	368.18	93.350
10%	Vmax	1.1133	480.64	79.440	1.1132	480.64	79.440	1.1134	480.64	79.440	1.1134	480.65	79.440	1.1135	480.65	79.450
20%	Vmax	2.0191	480.67	86.080	2.019	480.67	86.080	2.0188	480.68	86.070	2.019	480.68	86.090	2.019	480.68	86.090
30%	Vmax	3.06	480.6	89.110	3.06	480.6	89.110	3.0602	480.61	89.110	3.0604	480.61	89.110	3.0606	480.61	89.100
50%	Vmax	5.006	480.62	91.100	5.006	480.62	91.110	5.006	480.62	91.130	5.005	480.62	91.130	5.005	480.62	91.140
75%	Vmax	7.605	480.33	91.910	7.606	480.34	91.920	7.606	480.34	91.910	7.606	480.35	91.910	7.606	480.35	91.900
100%	Vmax	10.222	480.31	91.720	10.226	480.31	91.720	10.23	480.32	91.730	10.233	480.32	91.740	10.234	480.32	91.740

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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	1.0558	330.22	83.280	1.0561	330.22	83.280									
20%	Vmin	2.0598	330.23	89.650	2.0599	330.23	89.650									
30%	Vmin	3.084	330.15	91.920	3.084	330.15	91.930									
50%	Vmin	5.0224	331.05	93.510	5.0224	331.05	93.510									
75%	Vmin	7.596	330.87	93.970	7.596	330.87	93.970									
100%	Vmin	10.176	330.74	93.920	10.176	330.74	93.930									
10%	Vnom	1.0712	368.56	82.040	1.0711	368.56	82.040									
20%	Vnom	2.1023	368.58	88.760	2.1024	368.58	88.770									
30%	Vnom	3.1384	368.51	91.160	3.1383	368.51	91.160									
50%	Vnom	5.0838	368.43	92.830	5.0836	368.43	92.850									
75%	Vnom	7.668	368.23	93.390	7.669	368.23	93.390									
100%	Vnom	10.267	368.18	93.350	10.267	368.18	93.350									
10%	Vmax	1.1133	480.65	79.440	1.1132	480.65	79.440									
20%	Vmax	2.019	480.68	86.090	2.019	480.68	86.100									
30%	Vmax	3.0608	480.62	89.100	3.0612	480.62	89.110									
50%	Vmax	5.005	480.62	91.140	5.005	480.62	91.160									
75%	Vmax	7.606	480.35	91.900	7.607	480.35	91.900									
100%	Vmax	10.234	480.32	91.750	10.233	480.32	91.740									