Manufacturer: Xantrex Technologies

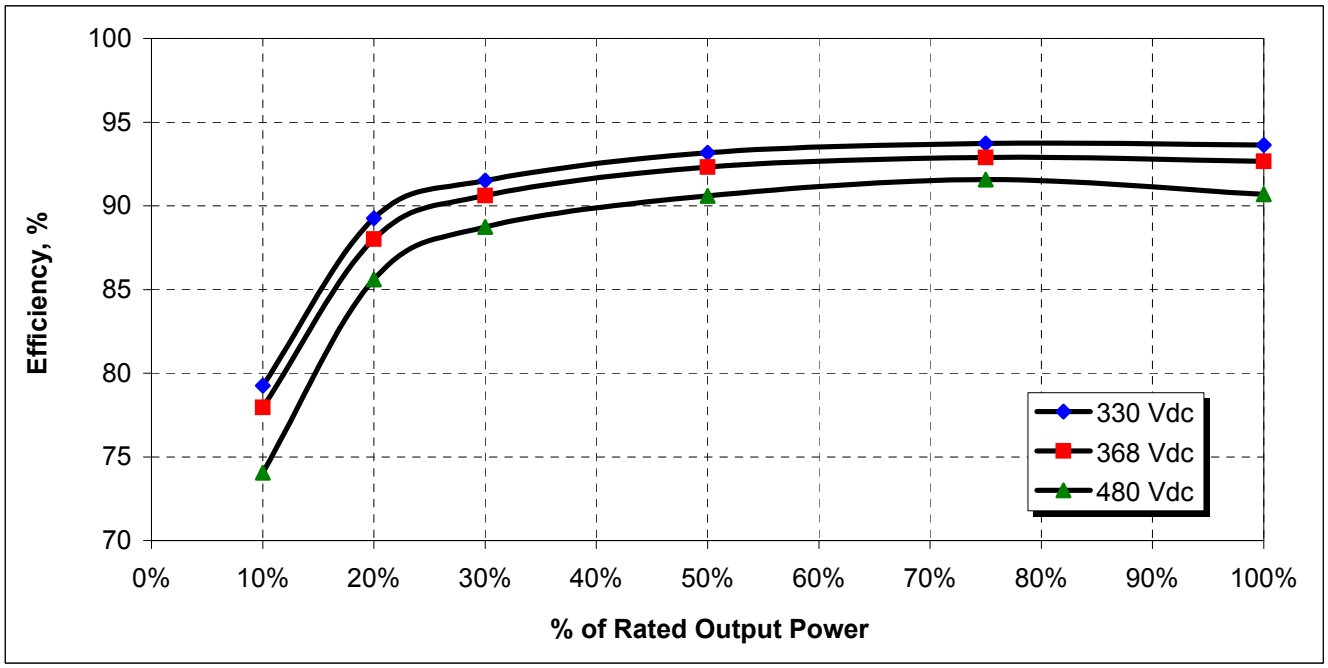
Model #: PV15-208- With 480 transformer

Rated Maximum Continuous Output Power: 15.28 kW Night Tare Loss: 171.60 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		1.53	3.06	4.58	7.64	11.46	15.28	Wtd
Vmin	330	79.3	89.3	91.5	93.2	93.7	93.6	92.5
Vnom	368	78.0	88.0	90.6	92.3	92.9	92.7	91.6
Vmax	480	74.1	85.6	88.7	90.6	91.6	90.7	90.0

CEC Efficiency = 91.5%



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	1.2416	330.19	79.390	1.2396	330.2	79.350	1.2384	330.2	79.270	1.2376	330.2	79.230	1.2372	330.2	79.210
20%	Vmin	3.1528	330.13	89.190	3.1536	330.13	89.220	3.155	330.13	89.260	3.1544	330.13	89.270	3.1539	330.13	89.270
30%	Vmin	4.5388	330.09	91.580	4.5354	330.09	91.530	4.5341	330.09	91.520	4.5334	330.09	91.500	4.5328	330.09	91.490
50%	Vmin	7.511	330.03	93.180	7.508	330.03	93.170	7.506	330.03	93.160	7.507	330.03	93.170	7.507	330.03	93.170
75%	Vmin	11.307	330.73	93.710	11.304	330.73	93.710	11.306	330.73	93.720	11.307	330.74	93.740	11.31	330.73	93.750
100%	Vmin	15.081	330.62	93.680	15.077	330.62	93.660	15.077	330.63	93.660	15.068	330.62	93.620	15.064	330.63	93.610
10%	Vnom	1.2494	368.5	78.100	1.2469	368.5	77.970	1.2462	368.5	77.970	1.2456	368.5	77.940	1.2453	368.5	77.920
20%	Vnom	3.0283	368.5	88.060	3.0288	368.5	88.040	3.0293	368.5	88.020	3.0291	368.49	88.010	3.0291	368.49	88.000
30%	Vnom	4.6316	368.39	90.620	4.629	368.4	90.620	4.6279	368.4	90.610	4.6247	368.4	90.590	4.6257	368.4	90.610
50%	Vnom	7.62	368.43	92.300	7.617	368.43	92.290	7.618	368.42	92.290	7.618	368.42	92.310	7.622	368.42	92.340
75%	Vnom	11.466	368.08	92.880	11.465	368.08	92.920	11.461	368.08	92.910	11.455	368.09	92.890	11.455	368.09	92.880
100%	Vnom	15.068	368.98	92.610	15.062	368.98	92.600	15.058	368.99	92.600	15.065	368.99	92.660	15.068	369	92.680
10%	Vmax	1.2416	480.56	74.130	1.2412	480.57	74.140	1.2391	480.57	74.070	1.239	480.58	74.070	1.2384	480.58	74.030
20%	Vmax	3.0367	480.58	85.430	3.0375	480.58	85.580	3.0316	480.57	85.620	3.0379	480.56	85.540	3.0455	480.57	85.680
30%	Vmax	4.6343	480.54	88.840	4.6334	480.54	88.790	4.623	480.55	88.760	4.6302	480.55	88.730	4.6293	480.55	88.710
50%	Vmax	7.629	480.54	90.530	7.634	480.54	90.560	7.634	480.53	90.570	7.636	480.53	90.610	7.635	480.53	90.620
75%	Vmax	11.491	480.26	91.680	11.489	480.27	91.640	11.479	480.28	91.610	11.477	480.28	91.580	11.479	480.29	91.540
100%	Vmax	15.32	480.14	90.690	15.314	480.14	90.680	15.306	480.14	90.650	15.301	480.14	90.640	15.295	480.15	90.610

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	1.2374	330.2	79.200	1.237	330.2	79.150									
20%	Vmin	3.1546	330.13	89.300	3.1555	330.13	89.330									
30%	Vmin	4.5327	330.09	91.510	4.5316	330.09	91.490									
50%	Vmin	7.507	330.03	93.180	7.507	330.02	93.180									
75%	Vmin	11.31	330.73	93.750	11.31	330.73	93.750									
100%	Vmin	15.06	330.63	93.610	15.064	330.63	93.620									
10%	Vnom	1.2454	368.5	77.920	1.2434	368.51	77.850									
20%	Vnom	3.0291	368.49	88.000	3.0293	368.49	88.000									
30%	Vnom	4.6261	368.4	90.610	4.6244	368.4	90.620									
50%	Vnom	7.626	368.42	92.360	7.627	368.42	92.350									
75%	Vnom	11.454	368.08	92.870	11.45	368.09	92.850									
100%	Vnom	15.073	368.99	92.680	15.074	368.99	92.720									
10%	Vmax	1.2373	480.58	74.000	1.2362	480.59	73.970									
20%	Vmax	3.0372	480.59	85.540	3.0325	480.54	85.770									
30%	Vmax	4.6287	480.55	88.700	4.6285	480.56	88.680									
50%	Vmax	7.636	480.53	90.630	7.639	480.53	90.670									
75%	Vmax	11.479	480.29	91.500	11.476	480.3	91.440									
100%	Vmax	15.293	480.16	90.600	15.294	480.16	90.940									