Manufacturer: Xantrex Technologies

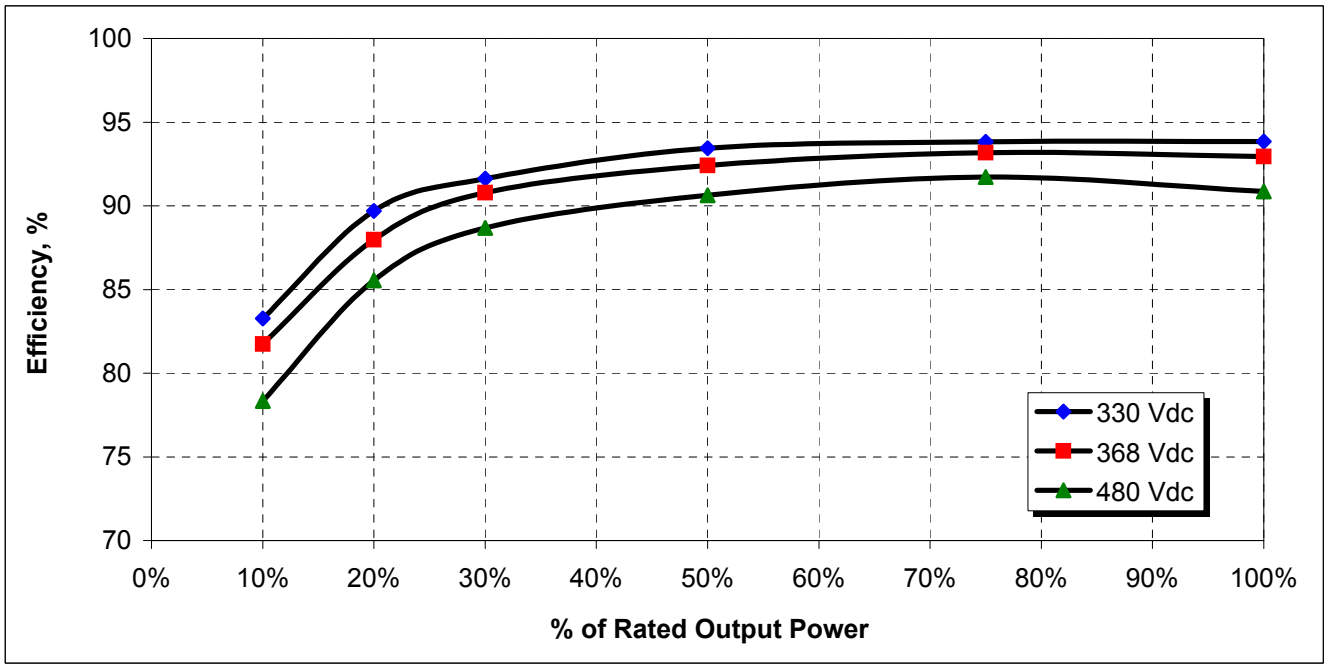
Model #: PV15-208- With 208 transformer

Rated Maximum Continuous Output Power: 15.31 kW Night Tare Loss: 165.20 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	4.59	7.66	11.49	15.31	Wtd
Vmin	330	83.3	89.7	91.6	93.4	93.8	93.8	92.8
Vnom	368	81.7	88.0	90.8	92.4	93.2	92.9	92.0
Vmax	480	78.3	85.5	88.7	90.6	91.7	90.9	90.2

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	1.5936	330.21	83.230	1.5937	330.21	83.230	1.5945	330.21	83.250	1.5965	330.21	83.290	1.5972	330.21	83.300
20%	Vmin	3.136	330.14	89.780	3.135	330.14	89.740	3.134	330.14	89.710	3.133	330.14	89.700	3.131	330.14	89.670
30%	Vmin	4.507	330.13	91.560	4.507	330.13	91.580	4.509	330.13	91.600	4.511	330.13	91.630	4.513	330.13	91.650
50%	Vmin	7.513	329.92	93.510	7.505	329.92	93.450	7.504	329.92	93.440	7.503	329.91	93.430	7.502	329.91	93.430
75%	Vmin	11.273	330.11	93.780	11.286	330.37	93.820	11.288	330.49	93.810	11.292	330.55	93.820	11.294	330.6	93.830
100%	Vmin	15.086	329.66	93.880	15.084	329.66	93.880	15.081	329.66	93.860	15.078	329.66	93.850	15.067	329.66	93.810
10%	Vnom	1.6277	368.52	81.690	1.6272	368.52	81.710	1.6268	368.52	81.710	1.6273	368.52	81.740	1.6279	368.52	81.760
20%	Vnom	3.018	368.53	87.900	3.02	368.53	87.930	3.02	368.53	87.930	3.021	368.53	87.960	3.023	368.52	88.020
30%	Vnom	4.643	368.44	90.870	4.64	368.44	90.830	4.64	368.44	90.820	4.637	368.44	90.770	4.636	368.44	90.770
50%	Vnom	7.638	368.33	92.330	7.641	368.33	92.370	7.642	368.33	92.390	7.642	368.33	92.400	7.644	368.32	92.430
75%	Vnom	11.522	368.14	93.250	11.516	368.14	93.200	11.515	368.13	93.180	11.513	368.13	93.180	11.508	368.13	93.150
100%	Vnom	15.28	368.05	92.930	15.288	368.05	92.910	15.29	368.05	92.930	15.291	368.05	92.920	15.295	368.05	92.950
10%	Vmax	1.6193	480.66	78.350	1.6189	480.67	78.340	1.6184	480.67	78.320	1.6182	480.68	78.320	1.6187	480.68	78.320
20%	Vmax	3.026	480.62	85.490	3.027	480.62	85.500	3.028	480.62	85.530	3.029	480.62	85.540	3.03	480.62	85.560
30%	Vmax	4.642	480.59	88.720	4.64	480.59	88.660	4.642	480.59	88.680	4.641	480.6	88.670	4.642	480.6	88.700
50%	Vmax	7.672	480.44	90.540	7.675	480.44	90.580	7.677	480.44	90.620	7.68	480.44	90.660	7.677	480.44	90.640
75%	Vmax	11.58	480.14	91.540	11.565	480.14	91.450	11.578	480.13	91.510	11.44	480.13	93.110	11.581	480.13	91.490
100%	Vmax	15.235	480.24	90.860	15.242	480.24	90.870	15.245	480.24	90.880	15.237	480.24	90.870	15.223	480.25	90.840

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	1.5974	330.21	83.280	1.6002	330.21	83.300									
20%	Vmin	3.13	330.14	89.670	3.127	330.14	89.630									
30%	Vmin	4.513	330.13	91.650	4.516	330.13	91.690									
50%	Vmin	7.5	329.91	93.420	7.497	329.91	93.390									
75%	Vmin	11.295	330.63	93.820	11.3	330.7	93.840									
100%	Vmin	15.062	329.67	93.800	15.057	329.67	93.800									
10%	Vnom	1.6283	368.52	81.770	1.6286	368.52	81.800									
20%	Vnom	3.024	368.52	88.020	3.024	368.52	88.020									
30%	Vnom	4.636	368.44	90.770	4.632	368.44	90.710									
50%	Vnom	7.644	368.32	92.440	7.648	368.32	92.470									
75%	Vnom	11.504	368.13	93.140	11.497	368.13	93.100									
100%	Vnom	15.299	368.05	92.980	15.301	368.04	92.980									
10%	Vmax	1.6194	480.68	78.330	1.694	480.69	78.330									
20%	Vmax	3.029	480.62	85.550	3.03	480.62	85.580									
30%	Vmax	4.642	480.6	88.700	4.642	480.61	88.680									
50%	Vmax	7.676	480.44	90.660	7.675	480.44	90.660									
75%	Vmax	11.583	480.13	91.480	11.585	480.13	91.480									
100%	Vmax	15.215	480.26	90.820	15.208	480.27	90.820									