Manufacturer: Xantrex Technologies

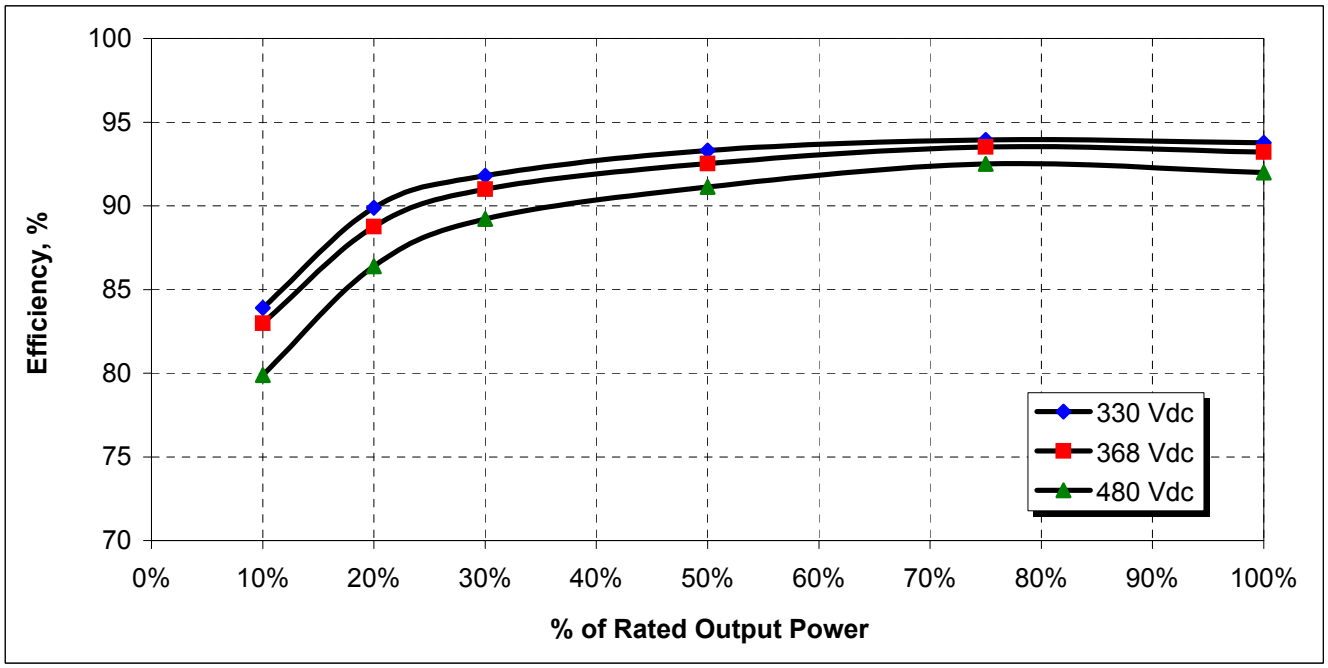
Model #: PV30-208- With 208 transformer

Rated Maximum Continuous Output Power: 30.29 kW Night Tare Loss: 415.00 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		3.03	6.06	9.09	15.15	22.72	30.29	Wtd
Vmin	330	83.9	89.9	91.8	93.3	93.9	93.8	92.9
Vnom	368	83.0	88.8	91.0	92.5	93.5	93.2	92.3
Vmax	480	79.9	86.4	89.2	91.1	92.5	92.0	91.0

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	3.333	331.35	84.030	3.333	331.33	83.990	3.32	331.34	83.710	3.341	331.34	84.000	3.307	331.37	83.840
20%	Vmin	6.462	331.38	89.890	6.439	331.38	89.740	6.453	331.35	89.970	6.47	331.36	89.960	6.478	331.34	89.930
30%	Vmin	9.188	331.31	91.590	9.272	331.33	91.810	9.257	331.35	91.810	9.283	331.29	91.870	9.267	331.32	91.840
50%	Vmin	15.122	331.28	93.200	15.251	331.31	93.450	15.132	331.29	93.250	15.134	331.32	93.330	15.26	331.36	93.380
75%	Vmin	22.626	332.15	93.950	22.744	332.17	94.040	22.547	332.25	93.850	22.662	332.12	93.930	22.634	332.13	93.880
100%	Vmin	30.245	333.02	93.780	30.152	333.08	93.720	30.309	333.06	93.740	30.213	333.05	93.740	30.508	333	93.810
10%	Vnom	3.386	368.54	82.880	3.413	368.54	83.160	3.393	368.54	82.950	3.392	368.54	82.870	3.398	368.55	83.100
20%	Vnom	6.19	368.57	88.470	6.212	368.56	88.790	6.203	368.56	88.670	6.211	368.56	88.850	6.224	368.56	88.840
30%	Vnom	9.323	368.62	90.510	9.373	368.5	91.010	9.422	368.49	91.240	9.363	368.51	91.140	9.385	368.47	90.970
50%	Vnom	14.99	368.47	92.610	14.028	368.49	92.730	14.913	368.52	92.430	14.956	368.49	92.500	14.986	368.52	92.560
75%	Vnom	22.714	368.32	93.520	22.827	368.35	93.530	22.806	368.31	93.550	22.829	368.36	93.500	22.763	368.36	93.550
100%	Vnom	30.396	368.46	93.270	30.35	368.45	93.260	30.379	368.46	93.260	30.132	368.43	93.010	30.165	368.46	93.060
10%	Vmax	3.347	480.31	79.890	3.341	480.3	79.920	3.346	480.28	79.960	3.339	480.29	80.010	3.343	480.29	80.010
20%	Vmax	6.118	480.33	86.160	6.11	480.3	86.230	6.173	480.28	86.490	6.18	480.29	86.480	6.162	480.31	86.430
30%	Vmax	9.334	480.28	89.190	9.34	480.27	89.240	9.322	480.28	89.190	9.361	480.27	89.310	9.353	480.29	89.270
50%	Vmax	15.318	480.22	90.940	15.377	480.23	90.980	15.392	480.24	91.180	15.401	480.26	91.160	15.332	480.25	91.170
75%	Vmax	22.893	480.12	92.480	22.822	480,14	92.560	22.863	480.11	92.540	22.804	480.13	92.480	22.693	480.14	92.380
100%	Vmax	30.173	480.26	91.990	30.281	480.26	92.000	30.375	480.29	92.090	30.451	480.24	91.980	30.403	480.26	91.920

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	3.331	331.35	83.940	3.314	331.36	83.830									
20%	Vmin	6.434	331.35	89.740	6.461	331.37	89.930									
30%	Vmin	9.276	331.3	91.830	9.281	331.31	91.840									
50%	Vmin	15.219	331.3	93.330	15.182	331.31	93.280									
75%	Vmin	22.713	332.12	94.080	22.676	332.12	93.900									
100%	Vmin	30.482	333.24	93.850	30.386	333.17	93.750									
10%	Vnom	3.381	368.55	82.920	3.391	368.56	82.970									
20%	Vnom	6.226	368.56	88.860	6.224	368.56	88.810									
30%	Vnom	9.309	368.52	90.910	9.429	368.51	91.240									
50%	Vnom	14.038	368.48	92.660	14.903	368.47	92.180									
75%	Vnom	22.887	368.4	93.450	22.938	368.33	93.480									
100%	Vnom	30.342	368.46	93.250	30.338	368.47	93.390									
10%	Vmax	3.311	480.31	79.700	3.308	480.3	79.680									
20%	Vmax	6.184	480.3	86.470	6.194	480.29	86.460									
30%	Vmax	9.312	480.27	89.150	9.299	480.29	89.180									
50%	Vmax	15.413	480.23	91.320	15.369	480.24	91.210									
75%	Vmax	22.822	480.13	92.540	22.803	480.08	92.490									
100%	Vmax	30.392	480.2	92.130	30.14	480.21	91.840									