Manufacturer: Xantrex Technologies

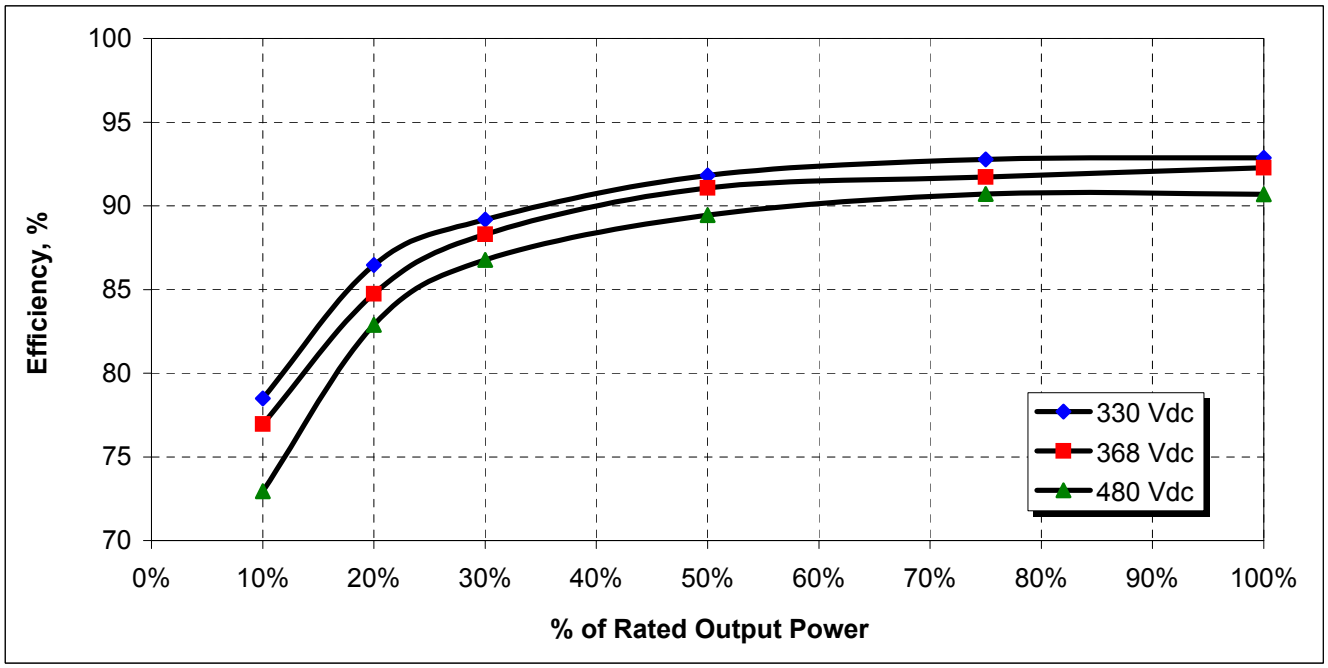
Model #: PV10-with 208 transformer

Rated Maximum Continuous Output Power: 10.19 kW Night Tare Loss: 203.30 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		1.02	2.04	3.06	5.10	7.64	10.19	Wtd
Vmin	330	78.5	86.5	89.2	91.8	92.8	92.9	91.3
Vnom	368	77.0	84.7	88.3	91.1	91.7	92.3	90.3
Vmax	480	73.0	82.9	86.8	89.4	90.7	90.7	88.9

CEC Efficiency = 90.0%



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	1.1173	330.26	78.480	1.117	330.26	78.470	1.117	330.26	78.470	1.1173	330.26	78.480	1.1178	330.26	78.500
20%	Vmin	2.1308	330.17	86.450	2.1307	330.17	86.450	2.1311	330.17	86.460	2.1314	330.17	86.470	2.1315	330.17	86.470
30%	Vmin	3.026	330.17	89.180	3.026	330.17	89.180	3.026	330.17	89.180	3.026	330.17	89.180	3.026	330.17	89.180
50%	Vmin	5.086	330.41	91.800	5.085	330.34	91.800	5.085	330.3	91.820	5.085	330.27	91.820	5.084	330.24	91.810
75%	Vmin	7.542	330.96	92.770	7.542	330.95	92.770	7.543	330.95	92.760	7.542	330.95	92.770	7.542	330.95	92.770
100%	Vmin	10.124	330.8	92.870	10.124	330.8	92.870	10.123	330.8	92.860	10.123	330.8	92.870	10.122	330.8	92.870
10%	Vnom	1.108	368.56	76.940	1.1085	368.57	76.960	10.109	368.57	76.970	1.1086	368.57	76.970	1.1086	368.57	76.970
20%	Vnom	2.0154	368.61	84.730	2.0152	368.6	84.720	2.0153	368.6	84.730	2.0152	368.59	84.740	2.0152	368.59	84.750
30%	Vnom	3.056	368.51	88.290	3.057	368.51	88.300	3.057	368.51	88.300	3.057	368.51	88.300	3.057	368.52	88.300
50%	Vnom	5.131	368.5	91.050	5.13	368.5	91.050	5.13	368.49	91.070	5.13	368.49	91.070	5.13	368.49	91.070
75%	Vnom	7.505	368.31	91.140	7.529	368.31	91.140	7.547	368.31	92.140	7.558	368.31	92.140	7.565	368.31	92.150
100%	Vnom	10.201	368.19	92.270	10.201	368.19	92.260	10.201	368.19	92.270	10.201	368.19	92.270	10.202	368.19	92.270
10%	Vmax	1.0202	480.62	72.930	1.0205	480.62	72.940	1.0207	480.63	72.940	1.0209	480.63	72.960	1.0209	480.63	72.960
20%	Vmax	2.0623	480.71	82.890	2.0621	480.71	82.890	2.0622	480.72	82.890	2.0624	480.72	82.890	2.0624	480.72	82.890
30%	Vmax	3.109	480.6	86.760	3.109	480.61	86.760	3.109	480.62	86.750	3.11	480.62	86.780	3.11	480.62	86.770
50%	Vmax	5.046	480.65	89.400	5.048	480.65	89.440	5.049	480.65	89.440	5.049	480.65	89.450	5.049	480.65	89.450
75%	Vmax	7.539	480.43	90.740	7.538	480.43	90.730	7.537	480.43	90.730	7.537	480.44	90.730	7.537	480.44	90.710
100%	Vmax	10.155	480.31	90.690	10.154	480.31	90.690	10.155	480.31	90.690	10.157	480.31	90.690	10.159	480.31	90.680

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	1.1181	330.26	78.510	1.1185	330.26	78.520									
20%	Vmin	2.1315	330.17	86.470	2.1315	330.16	86.470									
30%	Vmin	3.026	330.17	89.200	3.026	330.17	89.200									
50%	Vmin	5.084	330.23	91.810	5.083	330.12	91.810									
75%	Vmin	7.541	330.95	92.780	7.541	330.95	92.780									
100%	Vmin	10.123	330.8	92.860	10.124	330.8	92.860									
10%	Vnom	1.1086	368.57	76.960	1.1085	368.57	76.960									
20%	Vnom	2.015	368.59	84.740	2.0149	368.59	84.740									
30%	Vnom	3.057	368.52	88.300	3.057	368.52	88.300									
50%	Vnom	5.13	368.49	91.070	5.13	368.49	91.070									
75%	Vnom	7.571	368.31	92.160	7.575	368.31	91.150									
100%	Vnom	10.203	368.19	92.280	10.203	368.19	92.280									
10%	Vmax	1.0208	480.64	72.960	1.0209	480.64	72.960									
20%	Vmax	2.0624	480.72	82.890	2.0625	480.72	82.890									
30%	Vmax	3.11	480.63	86.770	3.11	480.63	86.770									
50%	Vmax	5.049	480.65	89.450	5.049	480.65	89.460									
75%	Vmax	7.537	480.44	90.620	7.536	480.44	90.710									
100%	Vmax	10.161	480.31	90.690	10.162	480.31	90.690									