Manufacturer: Xantrex Technologies

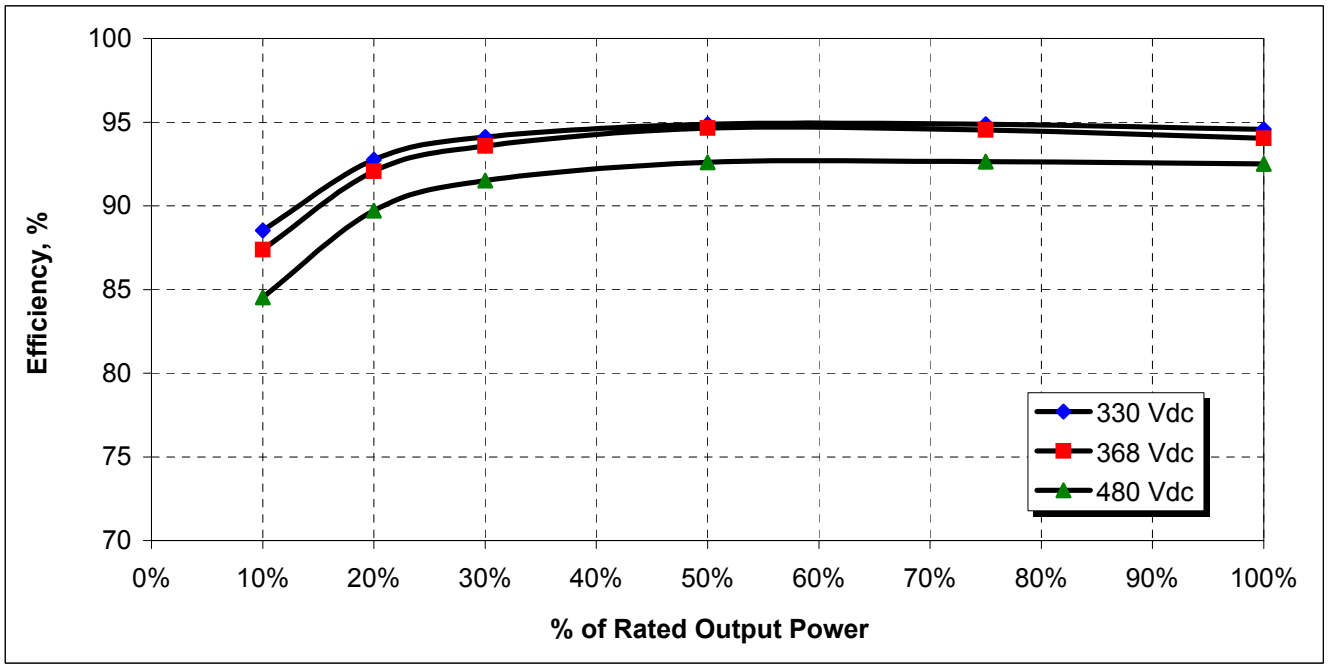
Model #: PV225S-480

Rated Maximum Continuous Output Power: 227.30 kW Night Tare Loss: 103.80 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		22.73	45.46	68.19	113.65	170.48	227.30	Wtd
Vmin	330	88.5	92.7	94.1	94.9	94.9	94.6	94.4
Vnom	368	87.4	92.1	93.6	94.7	94.5	94.0	94.0
Vmax	480	84.5	89.7	91.5	92.6	92.6	92.5	92.0

CEC Efficiency = 93.5%



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	23.957	330.07	88.580	23.959	330.13	88.540	23.929	330.12	88.570	23.934	330.1	88.360	23.945	330.13	88.540
20%	Vmin	46.376	330.97	92.720	46.368	331.01	92.780	46.449	330.96	92.750	46.401	330.99	92.750	46.412	330.94	92.760
30%	Vmin	68.85	330.9	94.170	68.82	330.99	94.020	68.91	330.89	94.060	68.88	330.94	94.180	68.89	330.78	94.080
50%	Vmin	113.88	330.58	94.820	113.88	330.72	94.840	113.88	330.73	94.930	113.87	330.35	94.870	113.95	330.68	94.870
75%	Vmin	169.23	330.9	94.880	169.31	330.77	94.800	169.39	331.02	94.930	169.43	331.15	94.810	169.44	331.14	94.870
100%	Vmin	217.3	331.52	94.570	217.36	332.23	94.610	217.35	332.16	94.610	217.5	331.73	94.570	217.48	331.56	94.510
10%	Vnom	22.919	368.52	87.390	22.936	368.31	87.340	22.934	368.52	87.460	22.926	368.4	87.350	22.961	368.49	87.330
20%	Vnom	45.557	368.5	92.000	45.554	368.37	92.050	45.619	368.35	92.070	45.647	368.34	92.070	45.595	368.31	92.140
30%	Vnom	68.27	368.2	93.570	68.28	368.37	93.650	68.23	368.26	93.540	68.18	368.43	93.510	68.23	368.35	93.650
50%	Vnom	113.91	368.98	94.540	114.07	368.98	94.490	113.98	368.88	95.510	114.1	368.93	94.490	114.18	368.93	94.560
75%	Vnom	169.65	368.49	94.520	169.55	368.54	94.430	169.63	368.32	94.470	169.73	368.4	94.570	169.42	368.56	94.540
100%	Vnom	242.03	369.09	94.190	242.39	369.31	94.060	242.18	369.37	94.090	242.56	368.84	93.950	242.93	369.38	93.830
10%	Vmax	22.607	480.58	84.610	22.637	480.62	84.620	22.644	480.5	84.460	22.656	480.64	84.530	22.608	480.65	84.440
20%	Vmax	45.241	480.43	89.790	45.229	480.51	89.660	45.275	480.51	89.760	45.199	480.57	89.700	45.244	480.56	89.740
30%	Vmax	67.91	480.56	91.470	67.95	480.45	91.510	67.99	480.5	91.500	68.03	480.52	91.520	67.87	480.54	91.560
50%	Vmax	113.74	480.23	92.610	113.66	480.38	92.570	113.89	480.28	92.600	113.68	480.26	92.610	113.72	480.35	92.580
75%	Vmax	169.61	480.26	92.710	169.7	480.44	92.640	169.59	480.58	92.720	169.72	480.52	92.730	169.55	480.17	92.720
100%	Vmax	229.01	480.26	92.450	229.23	480.44	92.410	229.27	480.58	92.480	228.94	480.52	92.460	229.3	480.17	92.490

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	23.935	330.12	88.560	23.937	330.12	88.560									
20%	Vmin	46.466	330.89	92.740	46.455	330.91	92.740									
30%	Vmin	68.95	330.91	94.180	68.86	330.87	94.130									
50%	Vmin	113.92	330.73	94.920	113.81	330.75	94.920									
75%	Vmin	169.33	331.1	94.860	169.31	330.61	94.970									
100%	Vmin	217.46	331.54	94.540	217.44	331.11	94.560									
10%	Vnom	22.913	368.51	87.360	22.962	368.47	87.380									
20%	Vnom	45.648	368.27	92.070	45.616	368.32	92.060									
30%	Vnom	68.23	368.29	93.660	68.23	368.32	93.490									
50%	Vnom	114.16	368.63	94.490	114.26	368.98	94.500									
75%	Vnom	169.56	368.35	94.610	169.71	368.39	94.580									
100%	Vnom	242.56	368.62	94.040	242.12	369.01	94.110									
10%	Vmax	22.659	480.64	84.480	22.659	480.64	84.530									
20%	Vmax	45.246	480.6	89.680	45.223	480.52	89.720									
30%	Vmax	67.98	480.53	91.500	67.91	480.54	91.490									
50%	Vmax	113.63	480.39	92.700	113.65	480.34	92.560									
75%	Vmax	169.5	480.56	92.750	169.55	480.29	92.220									
100%	Vmax	229.32	480.56	92.790	229.09	480.29	92.490									