Manufacturer: Xantrex Technologies

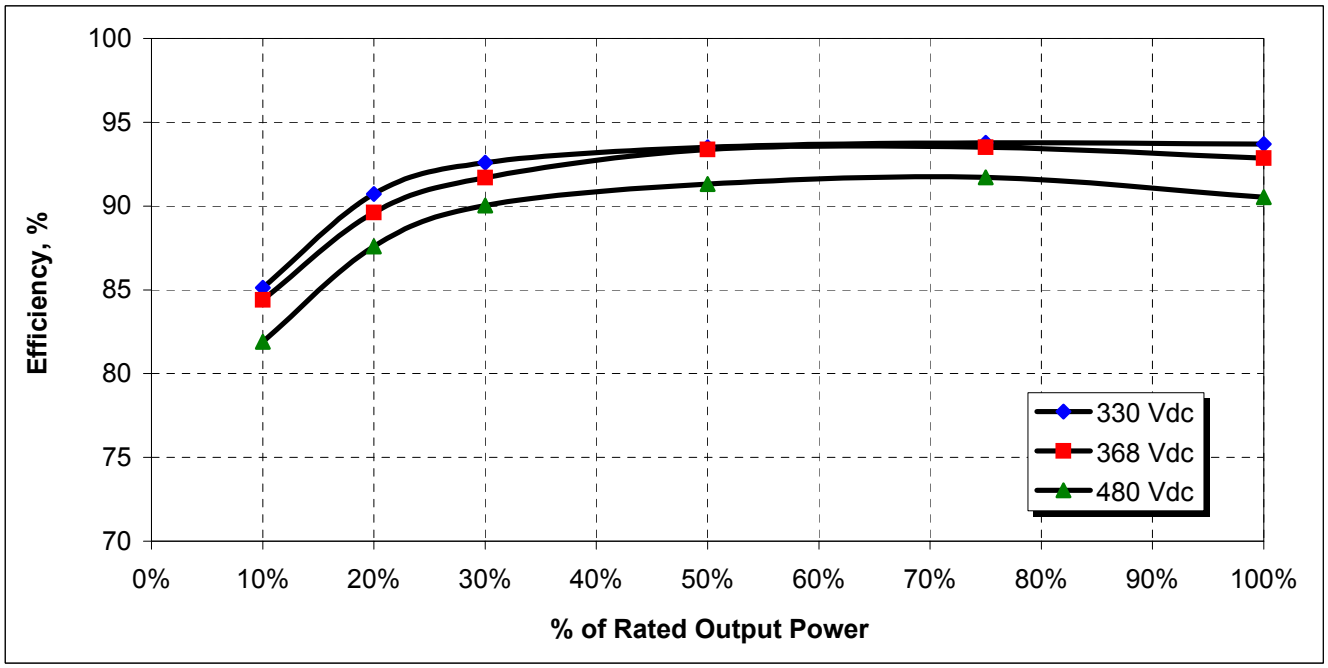
Model #: PV20-208- With 480 transformer

Rated Maximum Continuous Output Power: 20.32 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)		2.03	4.06	6.10	10.16	15.24	20.32	Wtd
Vmin	330	85.1	90.7	92.6	93.5	93.8	93.7	93.1
Vnom	368	84.4	89.6	91.7	93.4	93.5	92.9	92.7
Vmax	480	81.9	87.6	90.0	91.3	91.7	90.5	90.8

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)	(%)	(W)	(Vdc)	(%)
10%	Vmin	2.1111	330.21	85.210	2.1066	330.2	85.130	2.1109	330.2	85.190	2.1062	330.19	85.060	2.1062	330.21	85.080
20%	Vmin	4.1446	330.06	90.620	4.141	330.07	90.620	4.1506	330.05	90.750	4.1506	330.06	90.720	4.1499	330.07	90.740
30%	Vmin	6.205	33.02	92.570	6.209	333	92.630	6.21	333	92.600	6.2	330.02	92.590	6.201	330	92.620
50%	Vmin	10.1	329.97	93.510	10.1	329.98	93.510	10.1	329.97	93.510	10.1	329.94	93.510	10.1	329.94	93.510
75%	Vmin	15.1	330.75	93.780	15.1	330.72	93.780	15.1	330.74	93.780	15.1	330.72	93.780	15.1	330.7	93.780
100%	Vmin	20	330.55	93.450	20	330.52	93.450	20	330.55	93.450	20	330.58	93.890	20	330.58	93.890
10%	Vnom	2.2253	368.52	84.350	2.2273	368.52	84.450	2.2268	368.52	84.390	2.2281	368.53	84.400	2.2286	368.54	84.440
20%	Vnom	4.0502	368.46	89.660	4.0534	368.45	89.600	4.057	368.44	89.700	4.0441	368.46	89.540	4.0539	368.45	89.660
30%	Vnom	6.16	368.36	91.760	6.161	368.36	91.800	6.152	368.36	91.320	6.148	368.36	91.740	6.152	368.36	91.800
50%	Vnom	10.1	368.34	93.510	10.1	368.35	93.510	10.1	368.31	92.510	10.1	368.33	93.510	10.1	368.31	93.510
75%	Vnom	15.9	368.12	93.520	15.9	368.12	93.520	15.9	368.13	93.500	15.9	368.13	93.500	15.9	368.13	93.520
100%	Vnom	20.08	368.97	92.960	20.05	368.92	92.820	20.03	368.98	92.730	20.06	368.97	92.870	20.1	368.96	93.000
10%	Vmax	2.2798	480.6	81.900	2.2765	480.62	81.880	2.2733	480.63	81.900	2.2818	480.63	81.890	2.2781	480.63	81.870
20%	Vmax	4.1234	480.55	87.590	4.1206	480.53	87.590	4.114	480.55	87.570	4.1186	480.54	87.640	4.1155	480.54	87.560
30%	Vmax	6.233	480.53	90.040	6.228	480.52	90.030	6.236	480.54	90.080	6.236	480.55	90.030	6.242	480.54	90.050
50%	Vmax	10.2	480.48	91.070	10.2	480.46	91.070	10.2	480.52	91.890	10.2	480.56	91.070	10.2	480.43	91.890
75%	Vmax	15.5	480.29	91.710	15.5	480.3	91.710	15.5	480.27	91.710	15.5	480.32	91.710	15.5	480.34	91.710
100%	Vmax	20.2	480.18	90.580	20.2	480.22	90.580	20.2	480.21	90.580	20.2	480.2	90.580	20.2	480.2	90.580

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	2.1084	330.2	85.120	2.1065	330.2	85.110									
20%	Vmin	4.1554	330.07	90.730	4.1508	330.06	90.860									
30%	Vmin	6.193	330	92.510	6.218	330	92.620									
50%	Vmin	10.1	329.97	93.510	10.1	329.94	93.510									
75%	Vmin	15.1	330.74	93.780	15.1	330.75	93.780									
100%	Vmin	20	330.56	93.890	20	330.56	93.890									
10%	Vnom	2.227	368.53	84.410	2.2247	368.53	84.360									
20%	Vnom	4.046	368.46	89.550	4.0465	368.43	89.610									
30%	Vnom	6.149	368.36	91.720	6.155	368.36	91.720									
50%	Vnom	10.1	368.3	93.510	10.1	368.3	93.510									
75%	Vnom	15.9	368.11	93.520	15.9	368.14	93.520									
100%	Vnom	20.08	368.94	92.960	20.03	368.98	92.730									
10%	Vmax	2.2808	480.65	81.910	2.2781	480.64	81.930									
20%	Vmax	4.1118	480.52	87.580	4.1138	480.54	87.620									
30%	Vmax	6.243	480.54	90.080	6.232	480.51	89.970									
50%	Vmax	10.2	480.46	91.070	10.2	480.47	91.070									
75%	Vmax	15.5	480.33	91.710	15.5	480.31	91.710									
100%	Vmax	20.2	480.18	90.580	20.2	480.18	90.170									