Manufacturer: Xantrex Technologies

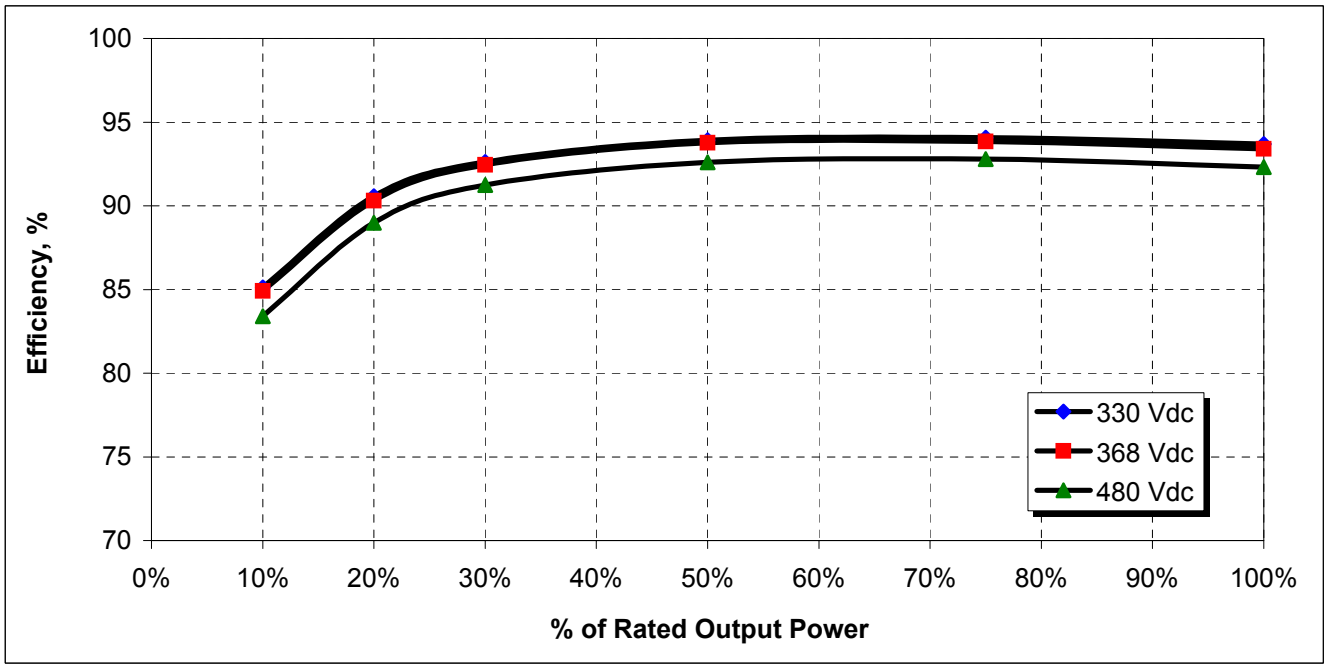
Model #: PV100S-480

Rated Maximum Continuous Output Power: 100.29 kW Night Tare Loss: 94.60 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		10.03	20.06	30.09	50.15	75.22	100.29	Wtd
Vmin	330	85.1	90.6	92.6	93.9	94.1	93.7	93.3
Vnom	368	84.9	90.3	92.4	93.8	93.8	93.4	93.1
Vmax	480	83.4	89.0	91.2	92.6	92.8	92.3	92.0

CEC Efficiency = 93.0%



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	10.791	330.21	85.110	10.79	330.21	85.110	10.79	330.21	85.100	10.791	330.21	85.110	10.792	330.21	85.120
20%	Vmin	20.09	330.14	90.610	20.082	330.14	90.580	20.079	330.14	90.560	20.08	330.14	90.570	20.081	330.14	90.570
30%	Vmin	30.387	330.49	92.610	30.391	330.28	92.590	30.396	330.25	92.610	30.398	330.17	92.620	30.4	330.15	92.620
50%	Vmin	49.983	330.93	93.930	49.99	330.92	93.930	49.989	330.92	93.920	49.989	330.92	93.920	49.987	330.91	93.920
75%	Vmin	74.72	330.75	94.050	74.72	330.76	94.070	74.72	330.76	94.070	74.72	330.75	94.070	74.72	330.76	94.070
100%	Vmin	101.56	330.52	93.700	101.56	330.51	93.700	101.55	330.51	93.680	101.56	330.51	93.700	101.56	330.51	93.700
10%	Vnom	10.799	368.58	84.930	10.795	368.58	84.870	10.804	368.57	84.930	10.802	368.57	84.920	10.802	368.57	84.900
20%	Vnom	20.113	368.48	90.310	20.107	368.48	90.320	20.103	368.48	90.300	20.102	368.48	90.310	20.102	368.48	90.300
30%	Vnom	30.427	368.42	92.420	30.453	368.43	92.470	30.423	368.43	92.440	30.423	368.43	92.440	30.421	368.43	92.430
50%	Vnom	49.994	368.23	93.744	50.001	368.23	93.740	50.001	368.23	93.810	50.002	368.23	93.750	50.005	368.23	93.740
75%	Vnom	74.73	368.08	93.840	74.74	368.08	93.850	74.73	368.08	93.840	74.73	368.08	93.840	74.73	368.08	93.840
100%	Vnom	100.78	368.83	93.390	100.86	368.84	93.400	100.94	368.84	93.410	101.09	368.83	93.400	101.09	368.83	93.410
10%	Vmax	10.818	480.67	83.380	10.816	480.67	83.380	10.818	480.67	83.390	10.82	480.67	83.410	10.819	480.67	83.400
20%	Vmax	20.086	480.52	88.990	20.087	480.54	88.990	20.086	480.55	88.990	20.087	480.56	88.990	20.089	480.57	89.000
30%	Vmax	30.379	480.53	91.190	30.388	480.54	91.200	30.402	480.54	91.220	30.405	480.55	91.240	30.421	480.55	91.250
50%	Vmax	50.002	480.49	92.640	50.006	480.48	92.600	50.005	480.48	92.600	50.004	480.49	92.600	50.005	480.49	92.610
75%	Vmax	74.72	480.3	92.780	74.73	480.3	92.790	74.73	480.3	92.790	74.73	480.3	92.790	74.73	480.35	92.780
100%	Vmax	100.03	480.14	92.320	100.03	480.14	92.320	100.03	480.14	92.320	100.04	480.14	92.320	100.06	480.14	92.310

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	10.792	330.21	85.130	10.792	330.21	85.130									
20%	Vmin	20.081	330.14	90.577	20.08	330.14	90.570									
30%	Vmin	30.399	330.13	92.620	30.399	330.12	92.620									
50%	Vmin	49.986	330.91	93.920	49.986	330.91	93.920									
75%	Vmin	74.72	330.76	94.070	74.72	330.76	94.070									
100%	Vmin	101.55	330.51	93.690	101.55	330.5	93.690									
10%	Vnom	10.801	368.56	84.900	10.803	368.56	84.910									
20%	Vnom	20.102	368.48	90.300	20.104	368.48	90.310									
30%	Vnom	30.421	368.42	92.430	30.423	368.42	92.440									
50%	Vnom	50.005	368.23	93.740	50.005	368.23	93.810									
75%	Vnom	74.73	368.08	93.840	74.73	368.08	93.850									
100%	Vnom	101.1	368.83	93.420	101.1	368.83	93.420									
10%	Vmax	10.818	480.67	83.400	10.819	480.67	83.420									
20%	Vmax	20.087	480.57	88.990	20.087	480.58	88.990									
30%	Vmax	30.421	480.55	91.290	30.422	480.56	91.300									
50%	Vmax	50.005	480.49	92.610	50.006	480.49	92.600									
75%	Vmax	74.73	480.35	92.780	74.74	480.35	92.790									
100%	Vmax	100.08	480.14	92.320	100.13	480.14	92.310									