Manufacturer: Xantrex Technologies

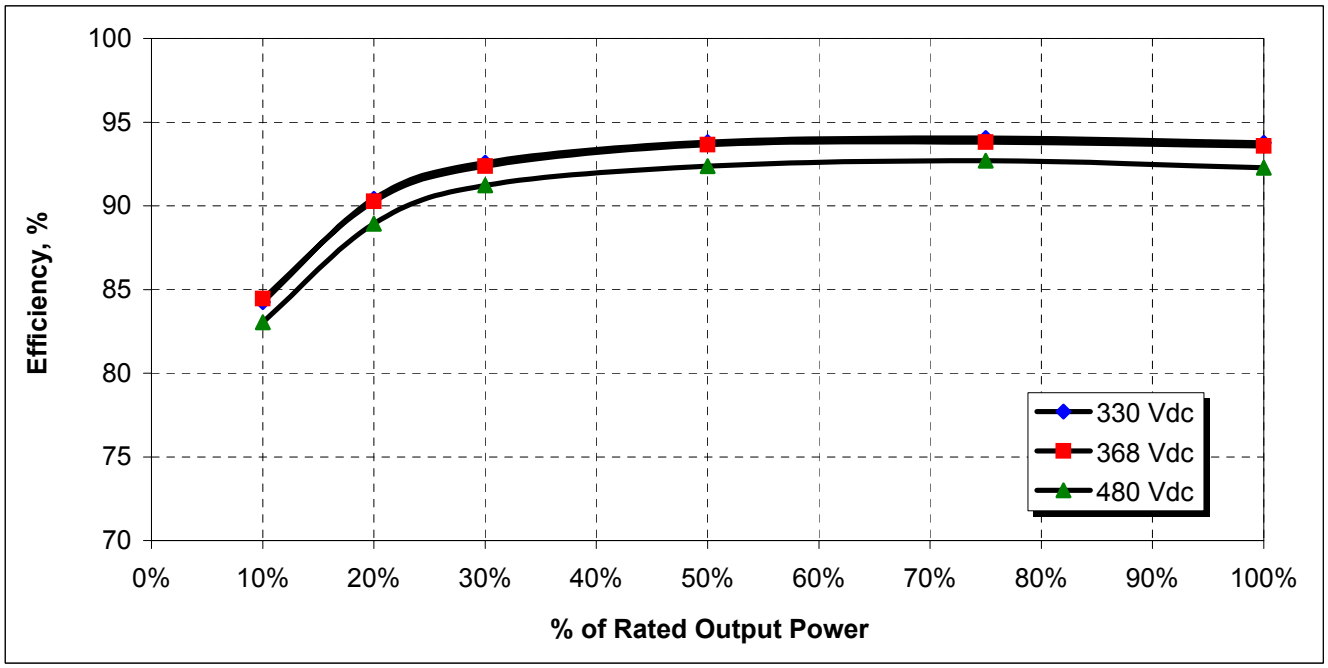
Model #: PV100S-208

Rated Maximum Continuous Output Power: 101.04 kW Night Tare Loss: 86.60 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		10.10	20.21	30.31	50.52	75.78	101.04	Wtd
Vmin	330	84.3	90.4	92.6	93.8	94.0	93.8	93.2
Vnom	368	84.5	90.3	92.4	93.6	93.8	93.6	93.0
Vmax	480	83.0	88.9	91.2	92.4	92.7	92.3	91.9

CEC Efficiency = 92.5%



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	10.311	330.17	84.240	10.313	330.23	84.250	10.314	330.23	84.260	10.314	330.23	84.260	10.314	330.22	84.250
20%	Vmin	20.217	330.17	90.410	20.224	330.17	90.430	20.225	330.16	90.430	20.225	330.16	90.430	20.225	330.16	90.430
30%	Vmin	31.14	330.07	92.560	31.15	330.07	92.570	31.15	330.07	92.590	31.15	330.07	92.570	31.15	330.07	92.570
50%	Vmin	51	330.94	93.810	50.99	330.93	93.800	50.99	330.93	93.800	50.99	330.93	93.800	80.99	330.93	93.800
75%	Vmin	75.82	330.53	94.050	75.8	80.6	94.040	75.81	330.55	94.050	75.8	330.55	94.040	75.8	330.55	94.050
100%	Vmin	100.63	330.35	93.760	100.63	330.34	93.760	100.63	330.34	93.770	100.63	330.34	93.770	100.63	330.34	93.770
10%	Vnom	10.244	368.51	84.440	10.338	368.51	84.450	10.337	368.51	84.460	10.336	12.237	84.460	10.336	368.52	84.460
20%	Vnom	20.258	368.53	90.260	20.259	368.52	90.260	20.258	368.52	90.260	20.261	368.52	90.260	20.261	368.51	90.260
30%	Vnom	31.18	368.42	92.350	31.19	368.42	92.360	31.19	368.42	92.360	31.19	368.42	92.380	31.19	368.42	92.380
50%	Vnom	50.03	368.41	93.700	50.04	368.39	93.630	50.04	368.41	93.630	50.04	368.37	93.620	50.03	368.37	93.630
75%	Vnom	75.82	368.9	93.790	75.82	368.89	93.800	75.81	368.9	93.800	75.81	368.9	93.800	75.82	368.9	93.810
100%	Vnom	101.15	368.79	93.440	101.14	368.79	93.440	101.14	368.79	94.440	101.14	368.79	93.440	101.13	368.79	93.450
10%	Vmax	10.366	480.64	83.040	10.365	480.65	83.040	10.365	480.66	83.050	10.364	480.66	83.050	10.363	480.66	83.050
20%	Vmax	20.171	480.65	88.970	20.232	480.7	88.900	20.323	480.6	89.040	20.242	480.65	88.720	20.339	480.61	88.710
30%	Vmax	31.21	480.57	91.250	31.2	480.57	91.220	31.2	480.57	91.220	31.2	480.58	91.220	31.2	480.58	91.220
50%	Vmax	50.05	480.5	92.360	50.05	480.5	92.360	50.05	480.5	92.360	50.05	480.5	92.360	50.06	480.5	92.370
75%	Vmax	75.85	480.23	92.690	75.85	480.19	92.710	75.85	480.19	92.690	75.85	480.2	92.690	75.85	480.2	92.690
100%	Vmax	100.87	480.18	92.270	100.88	480.14	92.270	100.88	480.15	92.280	100.87	480.15	92.280	100.87	480.15	92.270

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	10.315	330.23	84.260	10.316	330.23	84.260									
20%	Vmin	20.224	330.16	90.420	20.226	330.16	90.430									
30%	Vmin	31.15	330.07	92.590	31.15	330.07	92.570									
50%	Vmin	50.99	330.93	93.800	50.99	330.93	93.800									
75%	Vmin	75.8	330.55	94.050	75.8	330.55	94.050									
100%	Vmin	100.63	330.33	93.770	100.63	330.34	93.780									
10%	Vnom	10.335	368.52	84.470	10.334	368.52	84.460									
20%	Vnom	20.261	368.51	90.260	20.259	368.51	90.260									
30%	Vnom	31.18	368.42	92.350	31.18	368.42	92.350									
50%	Vnom	50.03	368.37	93.650	50.03	368.37	93.650									
75%	Vnom	75.81	368.9	93.800	75.82	368.9	93.810									
100%	Vnom	101.12	368.79	93.440	101.12	369.79	93.430									
10%	Vmax	10.36	480.67	83.050	10.359	480.68	83.040									
20%	Vmax	20.279	480.62	89.070	20.335	480.66	89.070									
30%	Vmax	31.2	480.58	91.200	31.21	480.58	91.230									
50%	Vmax	50.06	480.5	92.370	50.06	480.5	92.370									
75%	Vmax	75.8	480.2	92.690	75.85	480.2	92.700									
100%	Vmax	100.86	480.15	92.270	100.84	480.16	92.270									