Manufacturer: Xantrex Technologies

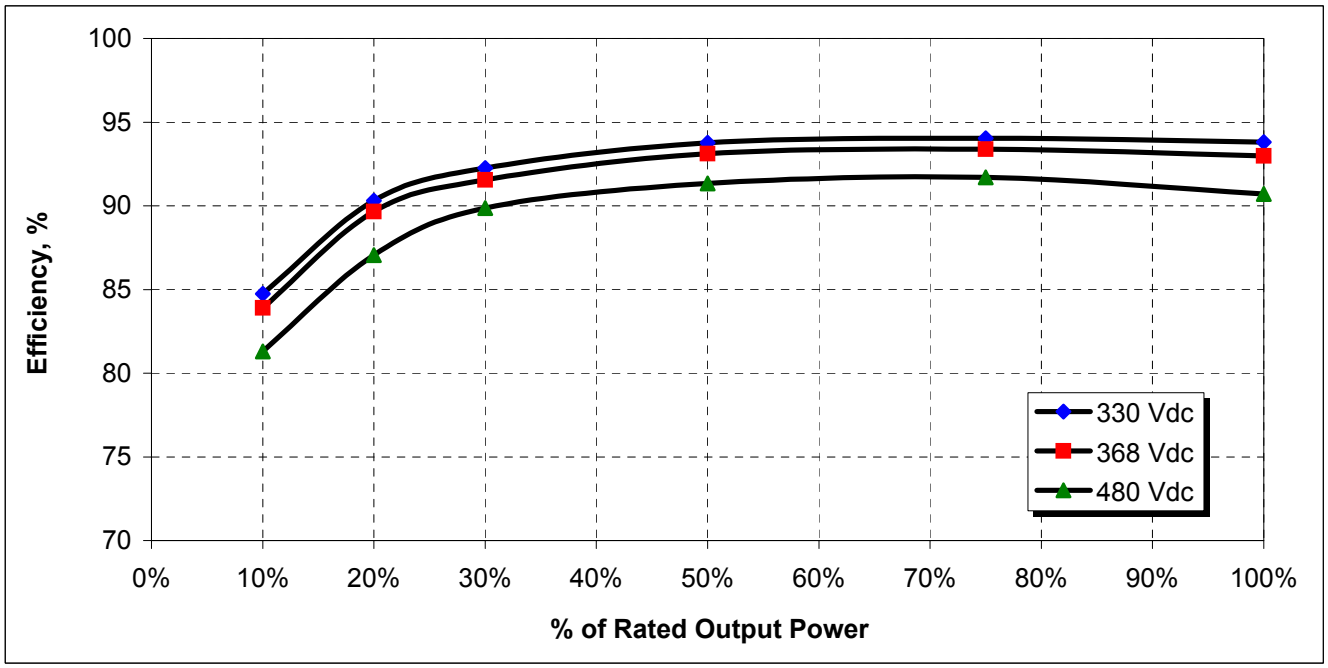
Model #: PV20-208- With 208 transformer

Rated Maximum Continuous Output Power: 20.49 kW Night Tare Loss: 210.60 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		2.05	4.10	6.15	10.25	15.37	20.49	Wtd
Vmin	330	84.7	90.3	92.3	93.8	94.0	93.8	93.2
Vnom	368	83.9	89.7	91.6	93.1	93.4	93.0	92.5
Vmax	480	81.3	87.1	89.9	91.3	91.7	90.7	90.7

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	2.133	330.18	84.660	2.137	330.18	84.730	2.139	330.18	84.750	2.14	330.18	84.750	2.141	330.18	84.770
20%	Vmin	4.147	330.4	90.300	4.144	330.32	90.290	4.142	330.28	90.290	4.141	330.25	90.290	4.14	330.23	90.300
30%	Vmin	6.207	330	92.260	6.206	330	92.250	6.206	330	92.250	6.206	330	92.250	6.206	330	92.250
50%	Vmin	10.104	330.21	93.750	10.103	330.13	93.760	10.102	330.09	93.770	10.101	330.06	93.760	10.1	330.04	93.760
75%	Vmin	15.326	330.67	94.020	15.324	330.67	94.020	15.324	330.67	94.020	15.324	330.67	94.030	15.323	330.67	94.040
100%	Vmin	20.257	330.5	93.790	20.255	330.5	93.800	20.256	330.5	93.800	20.255	330.5	93.800	20.256	330.5	93.810
10%	Vnom	2.233	368.52	83.900	2.234	368.52	83.920	2.234	368.52	83.900	2.234	368.52	83.890	2.234	368.52	83.890
20%	Vnom	4.299	368.52	89.660	4.298	368.51	89.640	4.298	368.51	89.640	4.298	368.51	89.640	4.297	368.51	89.650
30%	Vnom	6.131	368.34	91.530	6.131	368.34	91.540	6.13	368.34	91.540	6.131	368.34	91.570	6.131	368.34	91.570
50%	Vnom	10.313	368.34	93.090	10.311	368.34	93.100	10.311	368.34	93.100	10.31	368.33	93.100	10.31	368.33	93.120
75%	Vnom	15.286	368.07	93.380	15.287	368.07	93.380	15.292	368.07	93.390	15.292	368.07	93.390	15.29	368.07	93.380
100%	Vnom	20.327	368.92	92.920	20.322	368.92	92.950	20.315	368.92	92.970	20.313	368.91	92.980	20.312	368.91	92.990
10%	Vmax	2.266	480.61	81.300	2.267	480.61	81.330	2.267	480.62	81.320	2.266	480.62	81.300	2.266	480.62	81.300
20%	Vmax	4.1	480.62	87.060	4.1	480.61	87.050	4.1	480.61	87.060	4.099	480.61	87.060	4.099	480.61	87.060
30%	Vmax	6.208	480.48	89.850	6.208	480.5	89.860	6.207	480.5	89.860	6.207	480.51	89.860	6.207	480.51	89.870
50%	Vmax	10.158	480.46	91.260	10.157	480.46	91.300	10.158	480.46	91.340	10.158	480.46	91.350	10.158	480.46	91.370
75%	Vmax	15.214	480.24	91.730	15.278	480.24	91.720	15.268	480.24	91.710	15.238	480.25	91.700	15.23	480.26	91.700
100%	Vmax	20.443	480.15	90.710	20.441	480.15	90.700	20.438	480.15	90.700	20.437	480.15	90.700	20.435	480.15	90.700

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	2.141	330.18	84.770	2.141	330.18	84.780									
20%	Vmin	4.139	330.21	90.310	4.137	330.18	90.310									
30%	Vmin	6.206	330	92.250	6.206	330	92.250									
50%	Vmin	10.1	330.03	93.770	10.1	330	93.770									
75%	Vmin	15.32	330.67	94.030	15.319	330.67	94.030									
100%	Vmin	20.256	330.5	93.810	20.256	330.5	93.810									
10%	Vnom	2.235	368.52	83.920	2.235	368.52	83.910									
20%	Vnom	4.297	368.51	89.660	4.297	368.51	89.670									
30%	Vnom	6.131	368.34	91.570	6.131	368.34	91.570									
50%	Vnom	10.309	368.33	93.120	10.309	368.33	93.120									
75%	Vnom	15.291	368.07	93.390	15.291	367.07	93.390									
100%	Vnom	20.31	368.91	93.000	20.31	368.91	93.010									
10%	Vmax	2.265	480.62	81.280	2.265	480.63	81.280									
20%	Vmax	4.099	480.61	87.070	4.099	480.61	87.070									
30%	Vmax	6.207	480.51	89.860	6.207	480.52	89.870									
50%	Vmax	10.159	480.46	91.390	10.158	480.46	91.400									
75%	Vmax	15.221	480.26	91.690	15.214	480.26	91.700									
100%	Vmax	20.437	480.15	90.690	20.438	480.16	90.690									