Manufacturer: Xantrex Technologies

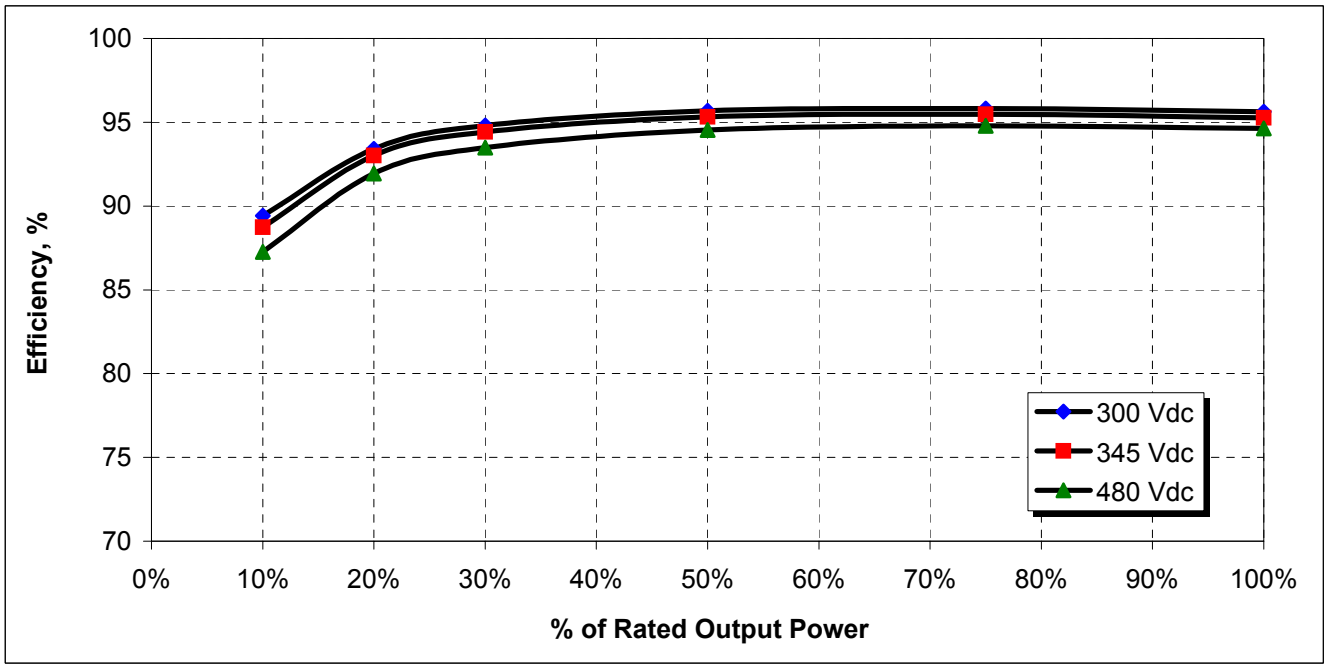
Model #: PV100S-480-HE

Rated Maximum Continuous Output Power: 101.11 kW Night Tare Loss: 96.00 W

Vmin: 300 Vdc Vnom: 345 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		10.11	20.22	30.33	50.56	75.83	101.11	Wtd
Vmin	300	89.4	93.4	94.8	95.7	95.8	95.6	95.3
Vnom	345	88.7	93.0	94.4	95.3	95.5	95.3	94.9
Vmax	480	87.3	91.9	93.5	94.5	94.8	94.6	94.1

CEC Efficiency = 95.0%



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)	(%)	(kW)	(Vdc)	(%)
10%	Vmin	10.465	304.91	89.440	10.464	304.92	89.430	10.462	304.92	89.410	10.462	304.94	89.410	10.464	304.96	89.430
20%	Vmin	20.32	304.66	93.420	20.323	304.66	93.430	20.32	304.66	93.420	20.319	304.68	93.420	20.32	304.64	93.420
30%	Vmin	30.338	305.44	94.800	30.338	305.44	94.800	30.341	305.43	94.780	30.341	305.43	94.810	30.343	305.44	94.790
50%	Vmin	50.211	304.99	95.690	50.211	304.99	95.690	50.212	304.98	95.690	50.214	304.98	95.680	50.21	304.97	95.670
75%	Vmin	75.559	305.48	95.820	75.589	305.48	95.820	75.627	305.47	95.810	75.643	305.46	95.820	75.63	305.44	95.830
100%	Vmin	100.65	304.9	95.630	100.65	304.89	95.630	100.68	304.9	95.640	100.67	304.91	95.630	100.67	304.92	95.630
10%	Vnom	10.436	344.94	88.740	10.436	344.94	88.740	10.435	344.95	88.730	10.435	344.96	88.730	10.435	344.96	88.730
20%	Vnom	20.461	344.8	93.040	20.459	344.8	93.030	20.458	344.81	93.030	20.457	344.82	93.020	20.459	344.84	92.990
30%	Vnom	30.465	345.57	94.400	30.47	345.59	94.420	30.472	345.59	94.420	30.473	345.61	94.430	30.477	345.64	94.410
50%	Vnom	50.649	345.38	95.330	50.653	345.39	95.330	50.66	345.39	95.330	50.666	345.4	95.320	50.67	345.41	95.330
75%	Vnom	75.539	345.74	95.470	75.53	345.75	95.470	75.513	345.75	95.470	75.496	345.75	95.470	75.477	345.76	95.480
100%	Vnom	101.05	345.32	95.280	101.05	345.32	95.270	101.03	345.34	95.270	101.03	345.46	95.270	101.01	345.38	95.260
10%	Vmax	10.704	479.93	87.300	10.703	479.93	87.300	10.699	479.97	87.260	10.699	479.98	87.260	10.698	479.97	87.250
20%	Vmax	20.691	479.86	91.960	20.691	479.86	91.960	20.691	479.84	91.960	20.686	479.83	91.930	20.683	479.82	91.920
30%	Vmax	30.867	480.64	93.500	30.869	480.64	93.480	30.867	480.64	93.470	30.87	480.65	93.480	30.872	480.63	93.490
50%	Vmax	49.848	480.44	94.550	49.846	480.44	94.540	49.841	480.44	94.550	49.834	480.44	94.540	49.828	480.44	94.550
75%	Vmax	75.637	480.07	94.780	75.638	480.07	94.780	75.629	480.05	94.780	75.628	480.07	94.780	75.625	480.09	94.790
100%	Vmax	100.3	480.75	94.630	100.32	480.76	94.630	100.33	480.75	94.630	100.35	480.75	94.630	100.38	480.76	94.630

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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	10.459	304.98	89.390	10.458	304.98	89.380									
20%	Vmin	20.316	304.66	93.400	20.316	304.65	93.400									
30%	Vmin	30.347	305.46	94.800	30.349	305.53	94.810									
50%	Vmin	50.213	304.98	95.690	50.217	304.98	95.680									
75%	Vmin	75.6	305.44	95.810	75.601	305.44	95.810									
100%	Vmin	100.68	304.92	95.630	100.63	304.9	95.630									
10%	Vnom	10.435	344.98	88.730	10.434	344.99	88.720									
20%	Vnom	20.466	344.85	92.980	20.467	344.85	92.980									
30%	Vnom	30.481	345.67	94.420	30.481	345.68	94.420									
50%	Vnom	50.663	345.42	95.320	50.645	345.41	95.320									
75%	Vnom	75.444	345.76	95.470	75.406	345.77	95.470									
100%	Vnom	101.02	345.38	95.260	101.01	34.37	95.260									
10%	Vmax	10.698	479.95	87.250	10.698	479.96	87.250									
20%	Vmax	20.685	479.8	91.930	20.69	479.77	91.910									
30%	Vmax	30.878	480.61	93.480	30.878	480.59	93.480									
50%	Vmax	49.825	480.44	94.540	49.834	480.46	94.540									
75%	Vmax	75.625	480.12	94.790	75.622	480.16	94.780									
100%	Vmax	100.41	480.77	94.630	100.14	480.73	94.610									