Manufacturer: Xantrex Technologies

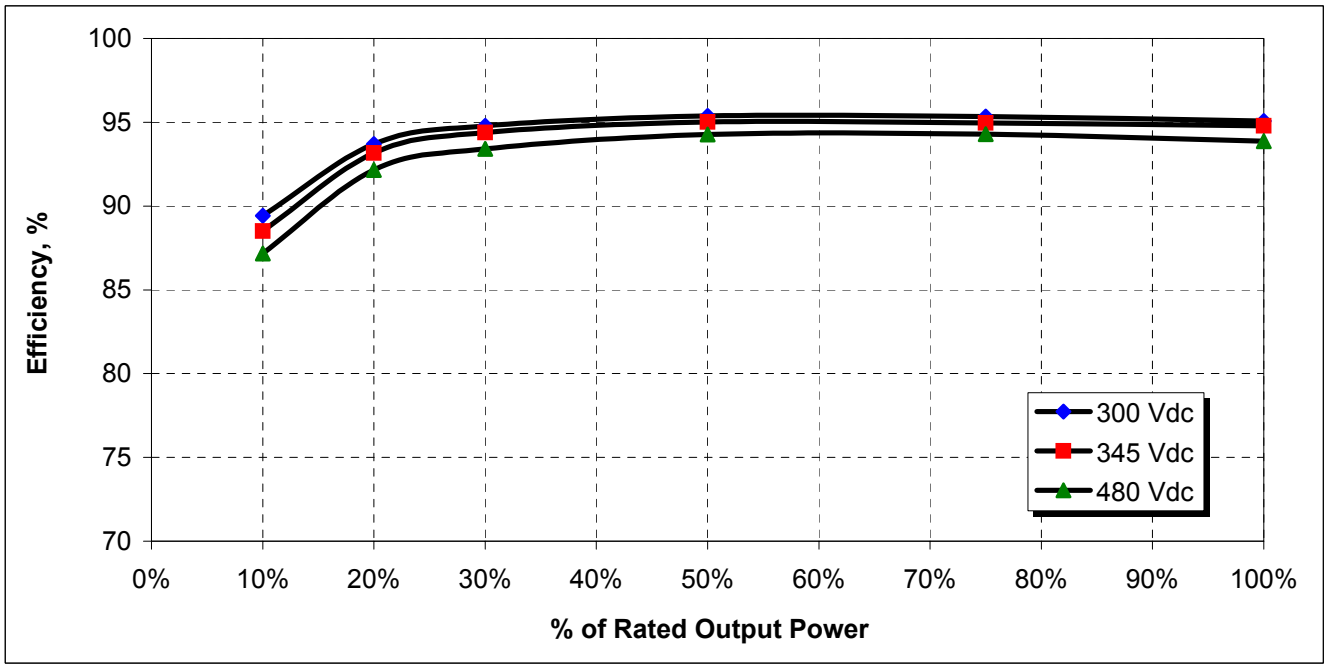
Model #: PV225S-480-P

Rated Maximum Continuous Output Power: 225.27 kW Night Tare Loss: 107.00 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		22.53	45.05	67.58	112.64	168.95	225.27	Wtd
Vmin	300	89.4	93.7	94.8	95.4	95.3	95.1	94.9
Vnom	345	88.5	93.2	94.4	95.0	95.0	94.8	94.6
Vmax	480	87.2	92.1	93.4	94.3	94.3	93.9	93.8

CEC Efficiency = 94.5%



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	22.692	304.2	89.490	22.686	304.19	89.410	22.683	304.19	89.408	22.679	304.19	89.404	22.679	304.19	89.423
20%	Vmin	48.317	304	93.716	48.313	304.01	93.703	48.321	304.01	93.696	48.322	304.01	93.702	48.319	304.01	93.707
30%	Vmin	71.352	304.88	94.796	71.348	304.89	94.794	71.343	304.89	94.787	71.35	304.89	94.789	71.346	304.89	94.784
50%	Vmin	114.77	304.55	95.395	114.51	304.55	95.382	114.5	304.57	95.381	114.51	304.56	95.383	114.49	304.55	95.382
75%	Vmin	167.54	303.83	95.329	167.48	303.98	95.343	167.42	304.04	95.345	167.34	304.04	95.335	167.27	304.13	95.331
100%	Vmin	219.18	304.1	95.098	218.97	303.76	95.045	219.86	303.91	95.099	219.13	303.76	95.079	219.09	303.8	95.052
10%	Vnom	21.747	345.61	88.512	21.744	345.6	88.510	21.747	345.59	88.527	21.745	345.6	88.518	21.743	345.59	88.504
20%	Vnom	47.449	345.46	93.137	47.433	345.36	93.154	47.424	345.46	93.156	47.427	345.45	93.166	47.429	345.45	93.172
30%	Vnom	70.725	345.28	94.416	70.741	345.28	94.398	70.74	345.28	94.392	70.735	345.29	94.386	70.735	345.28	94.387
50%	Vnom	114.4	345	95.007	114.43	345	95.007	114.42	345.01	95.013	114.41	345.01	95.016	114.21	345.04	95.067
75%	Vnom	168.6	344.56	94.967	168.59	344.6	94.970	168.58	344.6	94.965	168.57	344.61	94.968	168.56	344.61	94.966
100%	Vnom	223.7	345.35	94.654	223.62	345.35	94.644	223.63	345.34	94.645	223.67	345.32	94.647	223.55	345.38	95.666
10%	Vmax	22.219	480.21	87.183	22.232	480.21	87.163	22.239	480.21	87.145	22.267	480.22	87.170	22.26	480.22	87.147
20%	Vmax	47.58	480.16	92.133	47.582	480.16	92.143	47.578	480.16	92.146	47.572	480.16	92.145	47.569	480.16	92.144
30%	Vmax	68.136	480.04	93.413	68.105	480.04	93.400	68.094	480.04	93.398	68.099	480.04	93.404	68.094	480.04	93.404
50%	Vmax	114.74	479.81	94.271	114.77	479.81	94.275	114.76	479.81	94.278	114.76	479.81	94.282	114.74	479.8	94.282
75%	Vmax	166.28	479.54	94.290	166.24	479.54	94.291	166.19	479.55	94.291	166.16	479.55	94.293	166.13	479.55	94.291
100%	Vmax	222.8	480.17	93.883	222.67	480.18	93.879	222.48	480.18	93.874	222.1	480.19	93.825	222.16	480.2	93.848

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	22.676	304.19	89.413	22.677	304.19	89.415									
20%	Vmin	48.317	304.01	93.704	48.311	304.01	93.704									
30%	Vmin	71.357	304.89	94.787	71.381	304.88	94.792									
50%	Vmin	114.48	304.55	95.384	114.48	304.54	95.384									
75%	Vmin	167.3	304.11	95.328	167.31	304.1	95.335									
100%	Vmin	219.48	303.79	95.101	219.04	303.69	95.057									
10%	Vnom	21.742	345.6	88.496	21.742	345.6	88.495									
20%	Vnom	47.434	345.45	93.173	47.443	345.45	93.178									
30%	Vnom	70.737	345.29	94.388	70.735	345.29	94.383									
50%	Vnom	114.33	345.03	95.023	114.55	345.13	95.016									
75%	Vnom	168.55	344.62	94.963	168.54	344.63	94.965									
100%	Vnom	223.62	345.25	94.658	223.96	345.3	94.646									
10%	Vmax	22.239	480.2	87.256	22.254	480.21	87.154									
20%	Vmax	47.568	480.16	92.144	47.563	480.16	92.146									
30%	Vmax	68.091	480.04	93.406	68.079	480.04	93.410									
50%	Vmax	114.71	479.8	94.286	114.67	479.81	94.290									
75%	Vmax	166.1	479.56	94.290	166.04	479.56	94.285									
100%	Vmax	222.21	480.21	93.859	222.24	480.21	93.864									