Manufacturer: MAGNETEK Uncommon Power

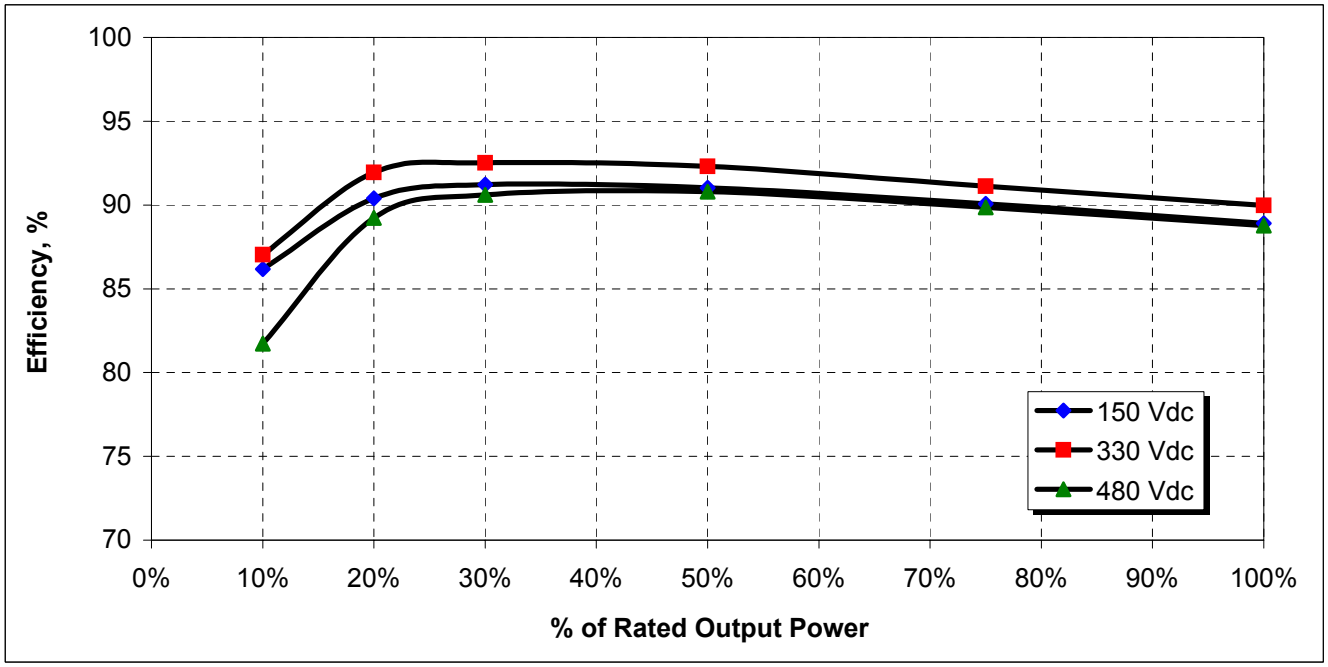
Model #: PVI-3000-I-OUTD-US-F (208V)

Rated Maximum Continuous Output Power @25°C: 2.700 kW Night Tare Loss: 0.40 W
Rated Maximum Continuous Output Power @40°C: 2.700 kW Night Tare Loss: 0.40 W

Vmin: 150 Vdc Vnom: 330 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.27	0.54	0.81	1.35	2.03	2.70	Wtd
Vmin	150	86.2	90.4	91.2	91.0	90.1	88.9	90.2
Vnom	330	87.0	91.9	92.5	92.3	91.1	90.0	91.4
Vmax	480	81.7	89.2	90.6	90.8	89.9	88.8	89.7

CEC Efficiency = 90.5%



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	261.067	150.05	86.161	261.12	150.07	86.178	261.02	150.03	86.192	261	150.05	86.139	260.97	150.03	86.128
20%	Vmin	586.533	151.67	90.375	586.53	151.72	90.375	586.53	151.82	90.375	586.4	151.8	90.378	586.32	151.75	90.365
30%	Vmin	874.833	150.57	91.224	874.92	150.57	91.232	874.7	150.58	91.210	874.92	150.6	91.232	874.78	150.58	91.218
50%	Vmin	1264.72	153.78	90.987	1264.9	153.77	90.997	1265	153.78	91.008	1265.2	153.77	91.023	1265.3	153.75	91.029
75%	Vmin	1936.08	150.45	90.064	1935.5	150.25	90.063	1935.5	150.32	90.067	1935.5	150.55	90.073	1934.9	150.18	90.067
100%	Vmin	2580.52	162.08	88.912	2579.3	161.75	88.899	2579	162	88.910	2578.6	162.48	88.923	2578.1	161.88	88.914
10%	Vnom	259.667	331.3	86.991	259.62	331.3	87.071	259.67	331.3	87.088	259.63	331.3	87.028	259.77	331.3	86.976
20%	Vnom	573.3	329.45	91.924	574.37	330.4	91.923	573.42	330.02	91.894	571.02	328.25	91.951	573.98	330.17	92.034
30%	Vnom	851.733	330.4	92.529	853.73	331.45	92.479	855.42	331.97	92.494	855.13	331.5	92.497	855.07	331.62	92.557
50%	Vnom	1239.93	329.28	92.326	1248.8	332.2	92.311	1244.2	330.72	92.313	1249	331.9	92.302	1247.3	331.7	92.304
75%	Vnom	1917.42	331.23	91.089	1917.6	331.38	91.112	1915.4	330.75	91.108	1914.4	330.03	91.127	1910.3	329.47	91.156
100%	Vnom	2597.73	332.35	89.981	2601.1	332.92	89.966	2597.2	332.45	89.967	2595.3	332.35	89.993	2596.1	332.48	89.981
10%	Vmax	261.267	481.6	81.817	261.23	481.6	81.806	261.1	481.6	81.807	261.2	481.6	81.711	261.15	481.6	81.652
20%	Vmax	580.85	478.13	89.270	580.82	477.13	89.198	585.87	482.47	89.264	586.05	482.9	89.269	584.63	482.17	89.235
30%	Vmax	862	479.35	90.626	864.02	480.88	90.616	866.92	482.7	90.540	860.02	479.13	90.639	861.97	480.28	90.654
50%	Vmax	1234.45	481.02	90.813	1236.1	481.25	90.770	1234.9	480.97	90.789	1233.8	479.25	90.796	1232.2	478.43	90.827
75%	Vmax	1916.82	477.73	89.837	1917.7	477.58	89.863	1913.4	476.23	89.858	1917.6	477.93	89.885	1914.8	476.77	89.870
100%	Vmax	2594.9	482.02	88.776	2594.4	482.33	88.779	2594.9	482.45	88.770	2593.7	482.22	88.775	2592.6	481.98	88.802

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	261.133	150.03	86.183	261.02	150.02	86.240									
20%	Vmin	586.533	151.82	90.398	586.38	151.82	90.445									
30%	Vmin	874.933	150.57	91.234	874.77	150.63	91.217									
50%	Vmin	1265.43	153.82	91.039	1265.7	153.8	91.059									
75%	Vmin	1934.95	150.1	90.068	1934.9	150.32	90.073									
100%	Vmin	2577.93	161.78	88.915	2576.8	161.82	88.906									
10%	Vnom	259.667	331.3	87.039	259.53	331.3	87.092									
20%	Vnom	574.333	331.1	91.918	574.6	330.47	91.912									
30%	Vnom	855.733	332.03	92.478	854.52	331.28	92.514									
50%	Vnom	1249.92	332.65	92.313	1248.9	332.18	92.320									
75%	Vnom	1913.57	330.18	91.166	1914.2	330.3	91.131									
100%	Vnom	2597.3	332.5	89.981	2595	332.23	89.984									
10%	Vmax	261.183	481.6	81.662	261.1	481.6	81.637									
20%	Vmax	587.183	483.95	89.170	583.75	481.65	89.259									
30%	Vmax	862.583	480.02	90.560	860.27	479.08	90.634									
50%	Vmax	1232.23	480.6	90.762	1236.8	481.18	90.848									
75%	Vmax	1912.67	476.57	89.867	1916.2	476.95	89.894									
100%	Vmax	2592.77	481.72	88.773	2591.6	482.02	88.787									