Manufacturer: MAGNETEK Uncommon Power

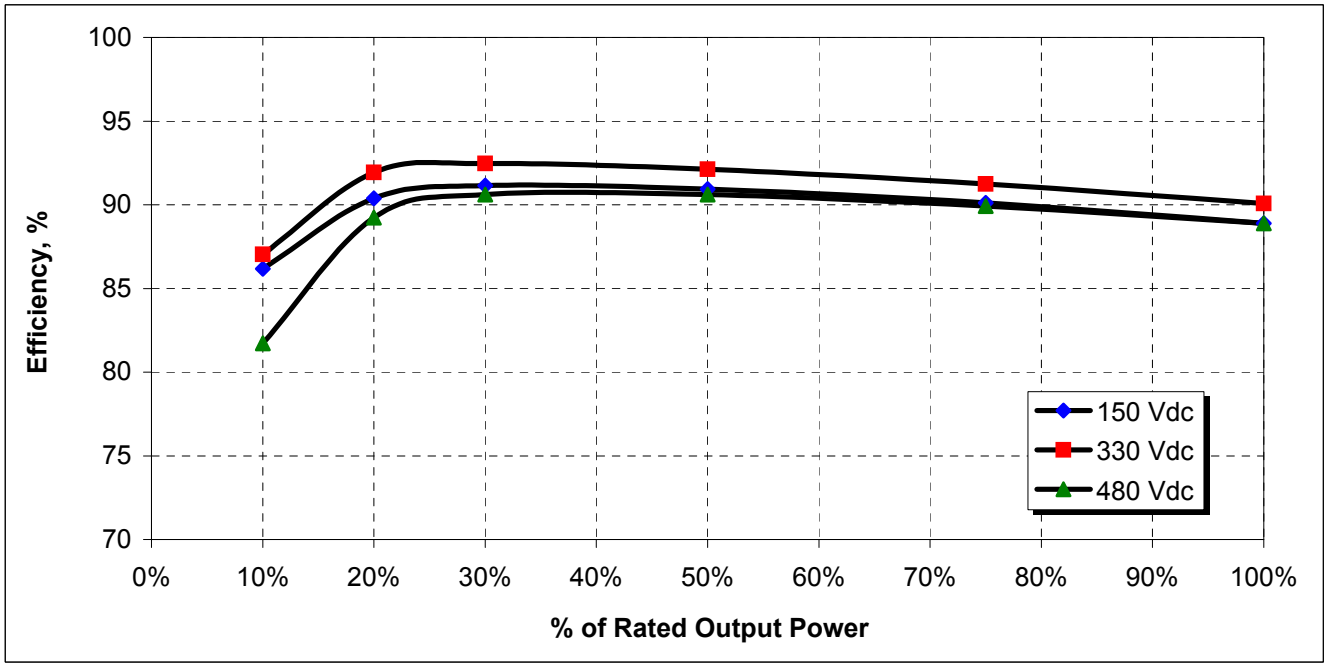
Model #: PVI-3000-I-OUTD-US (208V)

Rated Maximum Continuous Output Power @25°C: 2.700 kW Night Tare Loss: 0.40 W
Rated Maximum Continuous Output Power @40°C: 2.500 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	91.1	90.9	90.1	88.9	90.2
Vnom	330	87.0	91.9	92.5	92.1	91.2	90.1	91.4
Vmax	480	81.7	89.2	90.6	90.6	89.9	88.9	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	867.6	149.58	91.134	867.45	149.5	91.150	867.62	149.53	91.136	867.38	149.53	91.144	867.28	149.43	91.149
50%	Vmin	1234.12	151.53	90.945	1234.8	151.73	90.925	1234.8	151.72	90.930	1234.7	151.75	90.932	1235	151.72	90.944
75%	Vmin	1930.1	153.5	90.114	1928.8	153.2	90.101	1928.2	153.18	90.107	1927.6	153.23	90.110	1927.6	153.42	90.118
100%	Vmin	2571.97	159.02	88.908	2570.6	159.02	88.902	2569.9	158.92	88.904	2568.7	158.22	88.897	2568	158.48	88.894
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	866.583	329.95	92.452	865.07	329.45	92.488	864.1	328.6	92.467	865.65	329.5	92.484	866.52	330.12	92.478
50%	Vnom	1222.95	330.07	92.124	1224.4	330.7	92.128	1224.7	330.68	92.140	1226.4	331.18	92.118	1222.8	330.15	92.116
75%	Vnom	1914.95	329.32	91.246	1918	329.4	91.238	1916.4	329.37	91.237	1911.4	328.03	91.257	1919.9	329.7	91.249
100%	Vnom	2602.58	330.47	90.081	2601.3	329.82	90.093	2604.8	330.73	90.075	2603.8	330.28	90.075	2601.5	329.67	90.095
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	866.15	476.75	90.601	863.97	474.62	90.673	869.43	478.93	90.582	867.67	478.08	90.555	868.42	477.67	90.586
50%	Vmax	1253.27	478.75	90.631	1253.7	478.93	90.618	1251.6	478.32	90.637	1251.7	478.45	90.584	1251.7	478.45	90.592
75%	Vmax	1927.4	481.35	89.891	1927.1	481.27	89.899	1927.6	481.38	89.904	1923.2	480.02	89.926	1925.1	480.78	89.915
100%	Vmax	2577.53	477.4	88.896	2577.7	477.3	88.882	2577.5	477.4	88.894	2577.1	477.12	88.870	2571.2	475.57	88.911

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	867.35	149.48	91.140	867.45	149.5	91.167									
50%	Vmin	1234.95	151.7	90.939	1235.1	151.7	90.950									
75%	Vmin	1926.63	153.48	90.114	1926.4	153.03	90.110									
100%	Vmin	2567.45	158.65	88.896	2566.7	158.35	88.886									
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	863.05	328.35	92.437	866.17	329.83	92.473									
50%	Vnom	1225.5	331.1	92.120	1225.6	331	92.092									
75%	Vnom	1914.27	328.67	91.257	1916.7	329.13	91.255									
100%	Vnom	2604	330.23	90.083	2605.6	330.97	90.086									
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	862.817	474.02	90.584	855.35	471.85	90.658									
50%	Vmax	1235.67	472.67	90.659	1250.6	477.92	90.604									
75%	Vmax	1923.42	480.58	89.936	1923.1	479.82	89.936									
100%	Vmax	2578.62	477.82	88.872	2573.3	476.3	88.877									