Manufacturer: MagneTek, S.p.A.

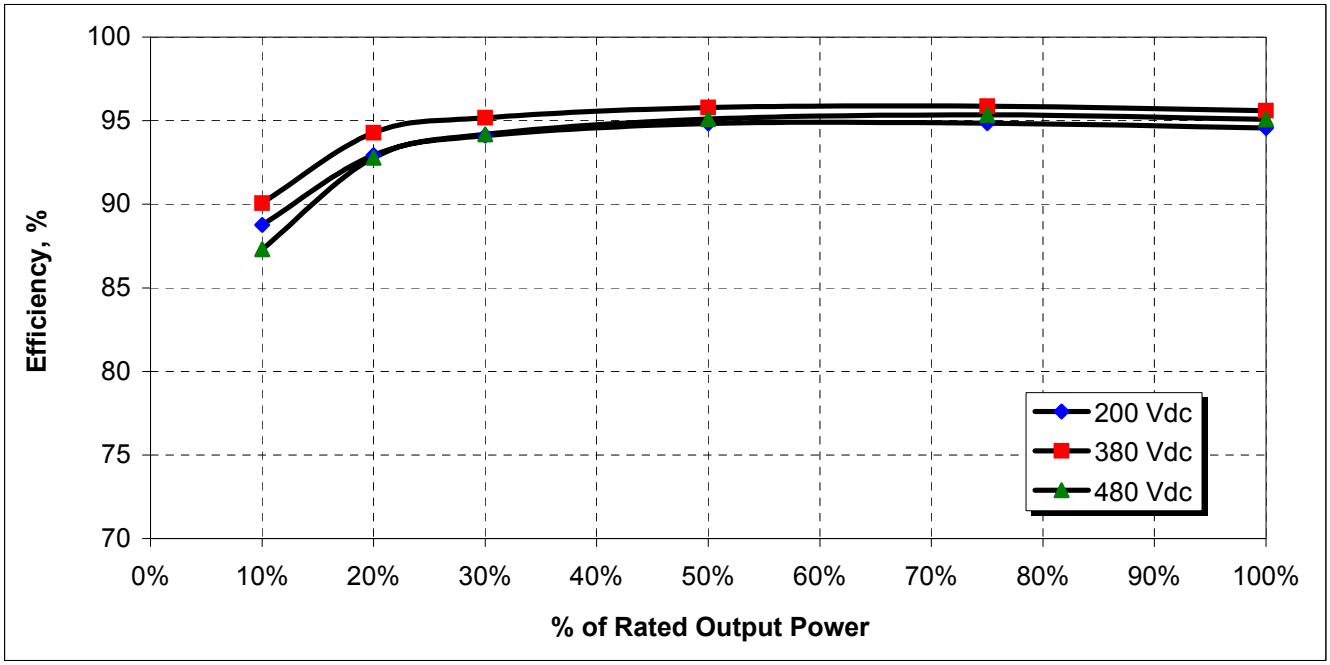
Model #: PVI-3600-OUTD-US-F (240 V)

Rated Maximum Continuous Output Power @25°C: 3.60 kW Night Tare Loss: 0.34 W
Rated Maximum Continuous Output Power @40°C: 3.60 kW Night Tare Loss: 0.34 W

Vmin: 200 Vdc Vnom: 380 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.36	0.72	1.08	1.80	2.70	3.60	Wtd
Vmin	200	88.8	92.9	94.1	94.8	94.8	94.6	94.4
Vnom	380	90.1	94.3	95.2	95.8	95.9	95.6	95.4
Vmax	480	87.3	92.8	94.2	95.1	95.4	95.1	94.7

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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	356.297	207.24	88.767	356.25	207.24	88.760	356.27	207.24	88.764	356.22	207.25	88.771	356.24	207.25	88.767
20%	Vmin	784.283	205.48	92.939	784.17	205.47	92.926	784.37	205.48	92.938	784.33	205.47	92.936	784.33	205.5	92.943
30%	Vmin	1161.67	203.5	94.103	1161.8	203.46	94.099	1161.7	203.38	94.090	1161.8	203.44	94.099	1161.7	203.51	94.103
50%	Vmin	1959.15	205.4	94.828	1959.6	205.42	94.849	1959.6	205.45	94.848	1959.4	205.35	94.840	1959.3	205.33	94.821
75%	Vmin	2531.4	205.71	94.844	2531.3	205.66	94.848	2531.1	205.58	94.851	2531.1	205.62	94.846	2530.6	205.76	94.843
100%	Vmin	3464.15	204.31	94.576	3463.3	203.74	94.561	3463.3	204.11	94.568	3463.9	204.17	94.568	3464.2	204.29	94.565
10%	Vnom	356.727	374.76	90.052	356.69	374.76	90.047	356.7	374.77	90.054	356.69	374.77	90.068	356.69	374.77	90.057
20%	Vnom	787.2	381.28	94.304	785	379.82	94.281	780.78	377.96	94.252	786.87	381.36	94.264	778.35	376.8	94.219
30%	Vnom	1162.88	375.47	95.207	1150.7	371.23	95.133	1159.1	374.03	95.190	1159.7	373.99	95.185	1156.4	373.41	95.113
50%	Vnom	1976.55	373.95	95.780	1970.2	372.31	95.779	1975	373.18	95.795	1976.3	373.91	95.792	1976.3	373.69	95.801
75%	Vnom	2554.77	377.56	95.860	2558.3	378.11	95.888	2557.2	377.93	95.865	2537.7	374.87	95.817	2549.9	377.23	95.846
100%	Vnom	3445.17	377.34	95.608	3442.5	376.46	95.593	3442.9	376.59	95.605	3449.3	377.73	95.604	3449.3	377.69	95.597
10%	Vmax	356.195	474.34	87.310	356.2	474.35	87.303	356.18	474.36	87.320	356.18	474.36	87.321	356.17	474.37	87.318
20%	Vmax	762.967	472.67	92.792	759.83	470.04	92.846	756.97	469.63	92.815	762.25	472.77	92.793	761.92	472.43	92.785
30%	Vmax	1149.1	475.29	94.208	1124.8	464.52	94.360	1148.4	475.64	94.162	1152.2	477.95	94.138	1155.7	479.06	94.116
50%	Vmax	1951.72	476.64	95.067	1945.9	474.31	95.200	1965.1	479.94	95.066	1967.4	481.07	95.036	1942.9	474.11	95.088
75%	Vmax	2604.38	481.18	95.320	2586.8	477.98	95.335	2579.2	476.56	95.360	2578.3	477.5	95.199	2606.3	481.59	95.429
100%	Vmax	3450.33	473.89	95.078	3477.7	478.01	95.060	3465	476.51	95.100	3478.2	478.02	95.080	3482.7	478.5	95.063

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	356.225	207.24	88.764	356.21	207.24	88.764									
20%	Vmin	784.317	205.52	92.942	784.32	205.54	92.936									
30%	Vmin	1161.75	203.46	94.099	1161.7	203.41	94.097									
50%	Vmin	1959.15	205.35	94.828	1959.5	205.34	94.844									
75%	Vmin	2530.17	205.7	94.846	2529.9	205.65	94.849									
100%	Vmin	3463.28	204.07	94.561	3463.3	204.24	94.566									
10%	Vnom	356.675	374.77	90.050	356.67	374.77	90.064									
20%	Vnom	780.683	378.11	94.249	785.53	380.36	94.296									
30%	Vnom	1164.95	376.25	95.206	1160.8	374.91	95.227									
50%	Vnom	1963.72	370.89	95.785	1966.1	371.39	95.791									
75%	Vnom	2558.15	378.2	95.863	2556.3	378.07	95.854									
100%	Vnom	3449.78	377.94	95.608	3443.9	376.77	95.610									
10%	Vmax	356.153	474.37	87.307	356.16	474.37	87.316									
20%	Vmax	756.55	468.72	92.762	754.02	468.11	92.647									
30%	Vmax	1147.6	475.78	94.022	1135.1	468.55	94.223									
50%	Vmax	1948.93	476.18	95.115	1965.5	479.87	95.102									
75%	Vmax	2590.72	478.03	95.419	2587.5	477.79	95.429									
100%	Vmax	3482.97	478.54	95.057	3480.1	478.17	95.063									