Manufacturer: MagneTek, S.p.A.

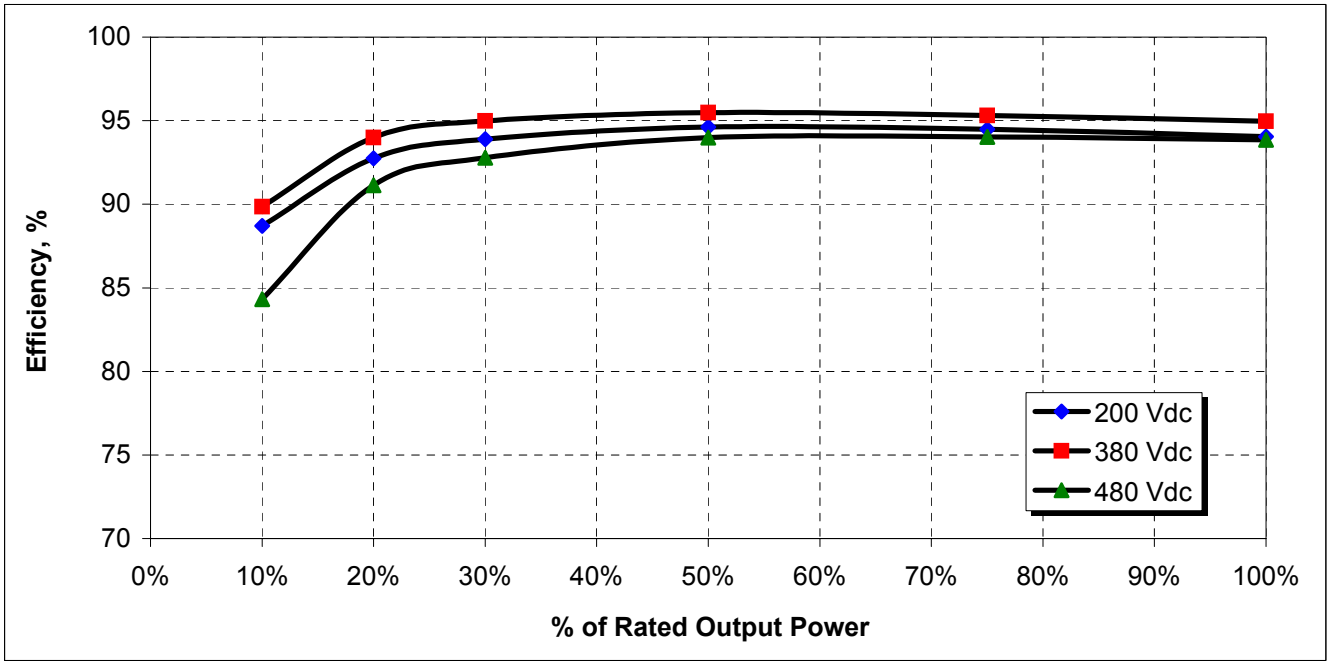
Model #: PVI-3600-US (208 V)

Rated Maximum Continuous Output Power @25°C: 3.30 kW Night Tare Loss: 0.24 W
Rated Maximum Continuous Output Power @40°C: 3.30 kW Night Tare Loss: 0.24 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.33	0.66	0.99	1.65	2.48	3.30	Wtd
Vmin	200	88.7	92.7	93.9	94.6	94.5	94.1	94.1
Vnom	380	89.9	94.0	95.0	95.5	95.3	95.0	95.0
Vmax	480	84.3	91.1	92.8	94.0	94.0	93.9	93.3

CEC Efficiency = 94.0%



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	330.415	200.17	88.692	330.46	200.17	88.701	330.42	200.17	88.693	330.41	200.17	88.701	330.42	200.18	88.708
20%	Vmin	719.3	202.02	92.672	720.57	202.15	92.755	720.9	202.3	92.752	720.98	202.32	92.757	720.88	202.25	92.762
30%	Vmin	1044.77	203.27	93.854	1044.7	203.31	93.851	1044.2	203.23	93.847	1044.3	203.21	93.848	1045.3	203.27	93.923
50%	Vmin	1821.17	200.57	94.621	1820.7	200.58	94.610	1821.2	200.53	94.619	1820.9	200.56	94.616	1821	200.52	94.621
75%	Vmin	2356.73	203.82	94.496	2356.4	203.84	94.482	2356.5	203.76	94.499	2356	203.71	94.480	2356.3	203.7	94.504
100%	Vmin	3226.48	201.29	94.062	3226.2	200.78	94.056	3226	201.47	94.059	3225.5	201.22	94.054	3225.7	201.22	94.052
10%	Vnom	331.022	330.73	89.845	331	330.73	89.847	331.01	330.73	89.860	330.99	330.73	89.868	331.03	330.73	89.866
20%	Vnom	708.917	327.84	94.044	711.87	329.87	94.007	713.82	330.55	94.070	709.23	328.57	94.023	709.57	328.63	93.958
30%	Vnom	1062.22	329.73	95.029	1064.6	330.77	94.955	1062.7	329.96	94.960	1061.9	329.79	94.957	1063.1	330.16	94.959
50%	Vnom	1822.13	329.04	95.447	1820.2	328.69	95.448	1822.3	328.71	95.515	1826.3	329.67	95.499	1827.9	329.82	95.506
75%	Vnom	2360.93	329.05	95.316	2358.5	328.86	95.314	2357.6	328.74	95.309	2353.5	328.12	95.305	2362.9	329.61	95.319
100%	Vnom	3179.4	329.12	94.958	3185.5	329.94	94.964	3179.9	329.33	94.954	3186.8	329.94	94.956	3183.6	329.31	94.963
10%	Vmax	330.503	480.02	84.337	330.5	480.02	84.339	330.43	480.02	84.325	330.48	480.02	84.317	330.44	480.02	84.302
20%	Vmax	709.267	478.24	91.052	709.4	477.91	91.148	707.55	477.96	91.286	713.23	481.39	91.173	707.93	479.22	91.070
30%	Vmax	1039.87	478.11	92.847	1046.4	482.96	92.729	1051.4	483.41	92.805	1047.3	481.77	92.860	1048.2	482.54	92.750
50%	Vmax	1781.22	481.63	93.964	1783.4	482.77	93.952	1774.2	480.03	94.011	1779.6	481.18	93.985	1767.2	477.27	94.013
75%	Vmax	2414.85	481.32	94.027	2413.2	480.99	94.023	2413.5	481.15	94.028	2409.6	480.05	94.036	2413.8	480.79	94.017
100%	Vmax	3172.93	472.35	93.839	3219.5	480.42	93.843	3147.6	468.34	93.929	3215.5	479.22	93.848	3193.7	476.56	93.824

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	330.42	200.17	88.700	330.42	200.17	88.705									
20%	Vmin	720.383	202.09	92.777	720.17	202.05	92.775									
30%	Vmin	1045.45	203.31	93.931	1045.7	203.34	93.939									
50%	Vmin	1821.02	200.53	94.625	1820.6	200.59	94.617									
75%	Vmin	2356.48	203.67	94.486	2355.8	203.53	94.491									
100%	Vmin	3224.73	200.67	94.048	3224.7	200.73	94.044									
10%	Vnom	330.993	330.73	89.861	330.97	330.73	89.860									
20%	Vnom	711.617	330.03	93.912	712.52	330.37	93.952									
30%	Vnom	1066.82	331.34	95.009	1065.8	330.7	95.055									
50%	Vnom	1826.27	329.72	95.472	1823.4	329.21	95.443									
75%	Vnom	2353	328.09	95.310	2358.8	328.94	95.314									
100%	Vnom	3185.45	329.53	94.964	3181.2	328.69	94.970									
10%	Vmax	330.435	480.02	84.316	330.45	480.02	84.290									
20%	Vmax	707.833	479.17	91.082	710.18	478.43	91.102									
30%	Vmax	1053.6	484.11	92.876	1042.8	479.51	92.652									
50%	Vmax	1789.28	483.33	93.974	1788.9	483.74	93.975									
75%	Vmax	2410.02	480.1	94.011	2416.3	481.62	94.018									
100%	Vmax	3216.63	479.69	93.799	3169.7	472.05	93.875									