Manufacturer: MagneTek, S.p.A.

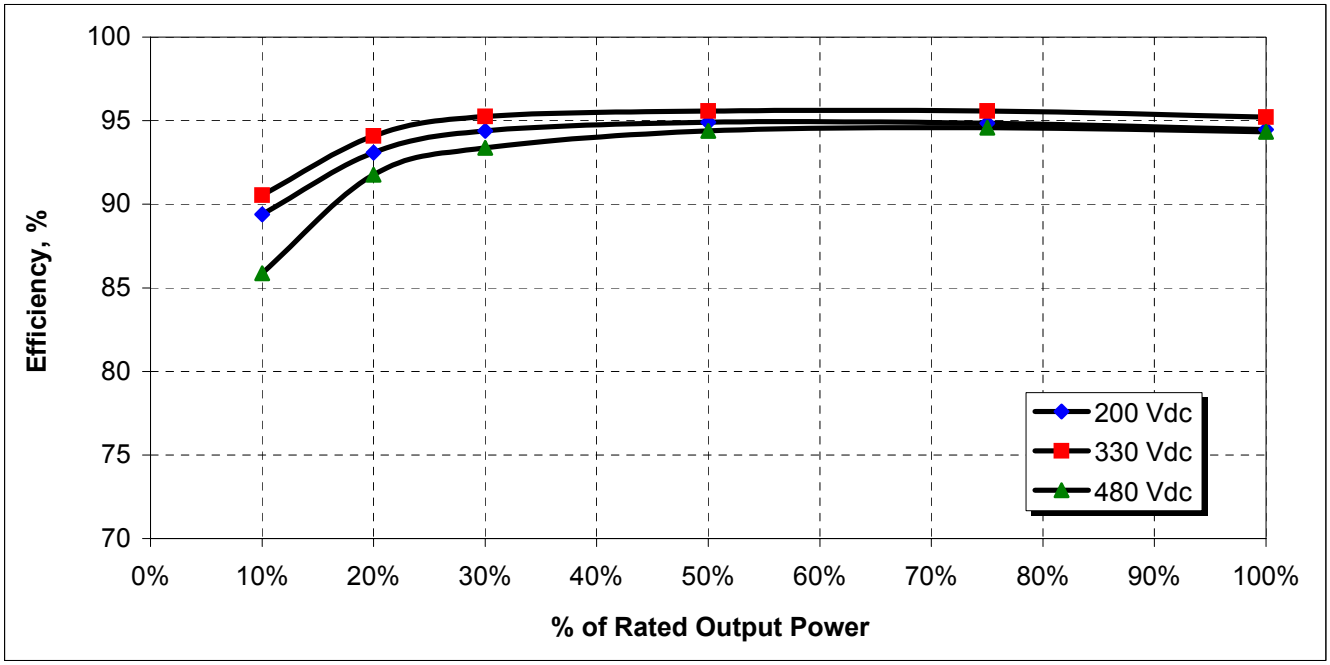
Model #: PVI-3600-OUTD-US-F (208 V)

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: 330 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	89.4	93.1	94.4	94.9	94.8	94.5	94.5
Vnom	330	90.5	94.1	95.2	95.6	95.6	95.2	95.2
Vmax	480	85.9	91.8	93.4	94.4	94.6	94.3	93.9

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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	329.902	200.25	89.388	329.89	200.25	89.393	329.88	200.25	89.393	329.88	200.25	89.391	329.88	200.25	89.386
20%	Vmin	729.317	202.06	93.080	729.37	202.06	93.083	729.33	202.06	93.078	729.37	202.06	93.083	729.37	202.06	93.091
30%	Vmin	1063.32	201.91	94.380	1063.5	201.93	94.401	1063.3	201.93	94.394	1063.7	201.96	94.404	1063.2	201.91	94.388
50%	Vmin	1826.28	201.49	94.925	1826.3	201.47	94.922	1825.7	201.49	94.894	1825.7	201.46	94.898	1826.3	201.48	94.919
75%	Vmin	2343.32	204.9	94.852	2344.4	204.9	94.837	2344.2	204.78	94.836	2343.9	204.95	94.842	2344	204.82	94.852
100%	Vmin	3189.25	203.22	94.459	3189	203.12	94.461	3188.7	203.52	94.465	3187.9	203.52	94.455	3188.3	203.26	94.454
10%	Vnom	329.827	327.29	90.558	329.83	327.29	90.551	329.82	327.3	90.538	329.8	327.3	90.535	329.8	327.3	90.534
20%	Vnom	729.4	324.43	94.074	729.4	324.42	94.076	729.4	324.42	94.076	729.4	324.42	94.074	729.4	324.42	94.080
30%	Vnom	1064.57	325	95.225	1072.6	327.3	95.250	1075.5	328.32	95.247	1068.7	325.89	95.225	1076.6	328.46	95.253
50%	Vnom	1827.6	328.48	95.574	1822.2	327.28	95.572	1821.1	327.19	95.556	1827.9	328.47	95.587	1815.5	325.86	95.585
75%	Vnom	2341.75	326.69	95.557	2354.2	328.04	95.543	2352.9	328.25	95.578	2334.7	324.84	95.590	2349.4	327.31	95.593
100%	Vnom	3188.55	328.38	95.209	3210.2	330.99	95.211	3209.1	331.1	95.211	3214.5	331.37	95.213	3214.9	331.62	95.207
10%	Vmax	331.012	478.81	85.869	330.99	478.82	85.878	330.97	478.83	85.874	331	478.83	85.872	330.97	478.83	85.859
20%	Vmax	729	478.58	91.756	729	478.58	91.762	729	478.58	91.765	728.97	478.58	91.763	728.98	478.58	91.765
30%	Vmax	1040.2	478.44	93.394	1033.7	473.7	93.504	1045.6	479.78	93.409	1033.8	476.85	93.227	1031.9	474.71	93.524
50%	Vmax	1805.9	478.8	94.391	1786	473.49	94.322	1784.9	473.07	94.362	1799.7	477.61	94.299	1802.3	477.79	94.414
75%	Vmax	2392	472.82	94.646	2383.5	470.84	94.628	2391.7	473.52	94.505	2405.6	476.01	94.577	2405.8	475.42	94.585
100%	Vmax	3182.32	470.64	94.320	3190.7	472.35	94.315	3180.3	470.54	94.342	3202	474.31	94.323	3203.3	473.8	94.315

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	329.857	200.25	89.392	329.82	200.25	89.381									
20%	Vmin	729.3	202.07	93.082	729.3	202.06	93.080									
30%	Vmin	1063.07	201.95	94.370	1063.4	201.92	94.391									
50%	Vmin	1826.27	201.48	94.925	1826.2	201.45	94.924									
75%	Vmin	2344.17	204.8	94.829	2344.5	204.85	94.843									
100%	Vmin	3188.55	203.23	94.466	3187.6	202.96	94.460									
10%	Vnom	329.795	327.3	90.533	329.8	327.3	90.530									
20%	Vnom	729.4	324.42	94.080	729.38	324.42	94.078									
30%	Vnom	1077.17	328.9	95.256	1073.9	327.74	95.245									
50%	Vnom	1825.95	328.21	95.583	1828.7	328.52	95.593									
75%	Vnom	2355.87	328.65	95.582	2354.5	328.81	95.577									
100%	Vnom	3212.93	331.26	95.212	3214.7	331.34	95.215									
10%	Vmax	331.002	478.83	85.863	330.99	478.83	85.861									
20%	Vmax	728.933	478.58	91.759	728.9	478.59	91.755									
30%	Vmax	1033.27	476.02	93.138	1044.5	480.44	93.405									
50%	Vmax	1779.78	470.48	94.511	1797.2	475.54	94.462									
75%	Vmax	2404.2	475.24	94.552	2392.1	473.2	94.583									
100%	Vmax	3200.9	473.54	94.333	3204.1	474.03	94.326									