Manufacturer: MagneTek, S.p.A.

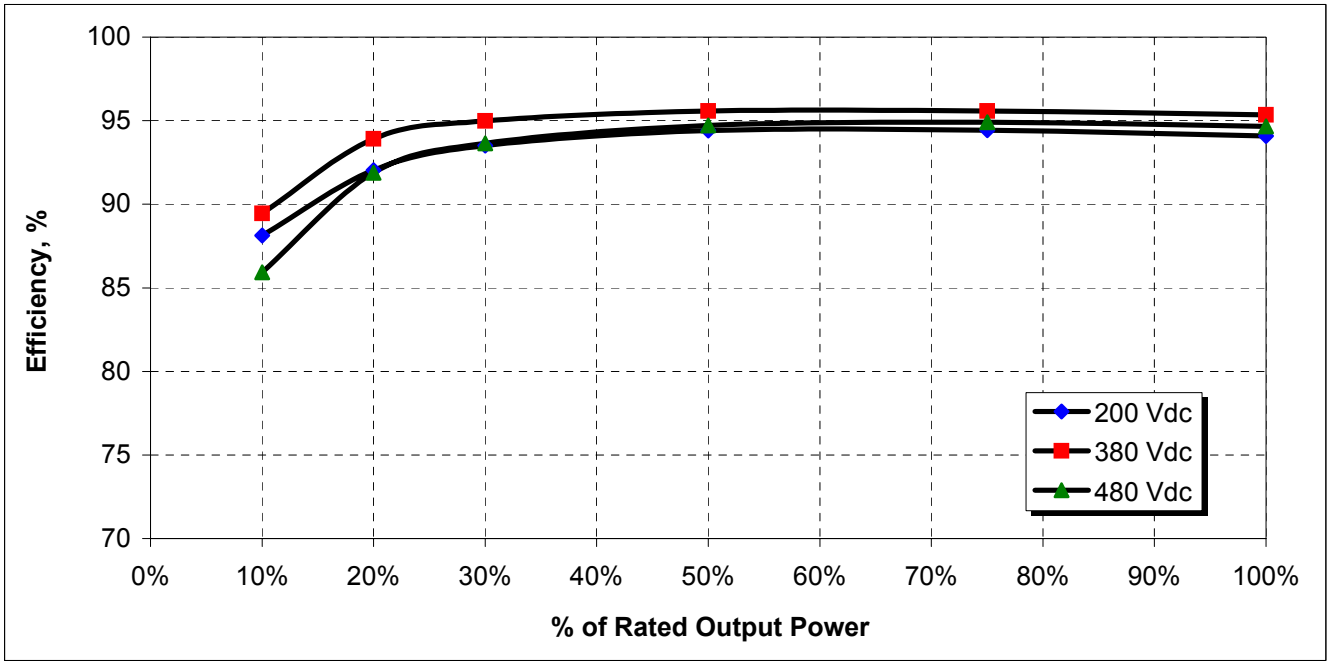
Model #: PVI-3600-US (240 V)

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	88.1	92.0	93.5	94.4	94.4	94.1	93.9
Vnom	380	89.4	93.9	95.0	95.6	95.6	95.3	95.2
Vmax	480	85.9	91.9	93.6	94.7	94.9	94.7	94.2

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	356.457	204.61	88.265	356.5	204.64	88.323	356.01	204.57	88.144	355.42	204.61	88.027	355.14	204.56	88.067
20%	Vmin	755.55	202.08	92.041	755.65	202.12	92.046	755.62	202.04	92.053	755.87	202.11	92.057	755.77	202.11	92.041
30%	Vmin	1161.28	203.06	93.482	1161.7	203.08	93.483	1161.6	203.03	93.481	1161.4	203.09	93.485	1161.5	203.09	93.491
50%	Vmin	1913.22	200.43	94.412	1913.4	200.47	94.408	1913.1	200.39	94.413	1913.2	200.41	94.416	1913.6	200.48	94.409
75%	Vmin	2819.67	204.77	94.430	2819.5	204.84	94.423	2819.5	204.69	94.417	2819.4	204.77	94.419	2819.4	204.75	94.419
100%	Vmin	3480	201.61	94.088	3479.7	201.72	94.096	3479.3	201.49	94.098	3479	201.51	94.086	3480.1	202.19	94.095
10%	Vnom	358.613	380.21	89.445	358.68	380.2	89.445	358.66	380.2	89.442	358.57	380.21	89.441	358.6	380.21	89.457
20%	Vnom	769.967	380.86	93.898	776.52	383.72	93.928	775.22	383.25	93.928	772.32	381.87	93.903	774.43	382.91	93.916
30%	Vnom	1147.4	380.36	94.994	1147.1	380.76	94.971	1139.6	377.87	94.939	1148.1	380.97	94.977	1149.7	381.27	94.996
50%	Vnom	1892.88	379.62	95.567	1893.5	379.85	95.578	1900	381.33	95.585	1893.8	379.79	95.605	1887.2	378.37	95.591
75%	Vnom	2606.2	383.69	95.576	2600.9	382.57	95.579	2609.4	384.05	95.588	2603.2	383.18	95.585	2598.5	382.2	95.579
100%	Vnom	3468.18	382.31	95.341	3459.5	381.44	95.339	3461.9	381.8	95.340	3447.1	380.13	95.339	3465.5	382.28	95.338
10%	Vmax	357.862	480.54	85.940	357.84	480.54	85.941	357.74	480.55	85.931	357.76	480.55	85.912	357.75	480.55	85.904
20%	Vmax	741.2	480.31	91.881	741.97	481.18	91.881	743.62	481.19	91.914	738.98	478.66	91.839	735.48	477.35	91.890
30%	Vmax	1131.03	479.4	93.643	1124.6	478.11	93.606	1124.4	477.22	93.593	1109.8	469.7	93.776	1129.2	479.05	93.648
50%	Vmax	1893.45	475.81	94.680	1903.4	478.91	94.713	1910.6	480.36	94.713	1904.5	478.47	94.704	1899	477.78	94.733
75%	Vmax	2601.2	469.56	94.973	2650.3	479.66	94.936	2619.5	473.15	94.930	2629.9	476.04	94.905	2622.8	473.69	94.907
100%	Vmax	3442.35	476.63	94.675	3462.9	479.88	94.648	3451.6	478.45	94.636	3480.1	482.35	94.645	3417.8	473.52	94.709

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	355.967	204.51	88.042	355.76	204.55	88.092									
20%	Vmin	755.683	202.19	92.039	754.65	201.76	91.986									
30%	Vmin	1162.28	203.08	93.552	1162.3	203.11	93.546									
50%	Vmin	1913.7	200.46	94.413	1913.7	200.43	94.418									
75%	Vmin	2819.27	204.67	94.416	2819	204.67	94.424									
100%	Vmin	3479.55	201.67	94.101	3479.2	201.8	94.082									
10%	Vnom	358.627	380.21	89.452	358.61	380.21	89.458									
20%	Vnom	771.217	381.22	93.898	773.88	382.69	93.903									
30%	Vnom	1147.87	380.52	95.016	1143.3	378.82	95.025									
50%	Vnom	1879.72	376.53	95.582	1897.7	380.7	95.576									
75%	Vnom	2602.62	383.14	95.587	2607.3	383.94	95.584									
100%	Vnom	3459.7	381.3	95.345	3458.2	381.43	95.345									
10%	Vmax	357.737	480.55	85.914	357.67	480.55	85.906									
20%	Vmax	741.417	479.56	91.889	739.22	478.42	91.853									
30%	Vmax	1136.05	481.89	93.601	1133.1	479.74	93.593									
50%	Vmax	1912.47	480.59	94.709	1903	478.72	94.714									
75%	Vmax	2645.07	478.46	94.925	2630.8	476.08	94.839									
100%	Vmax	3478.32	481.8	94.652	3476.1	481.84	94.648									