Manufacturer: Power-One Italy S.p.A.

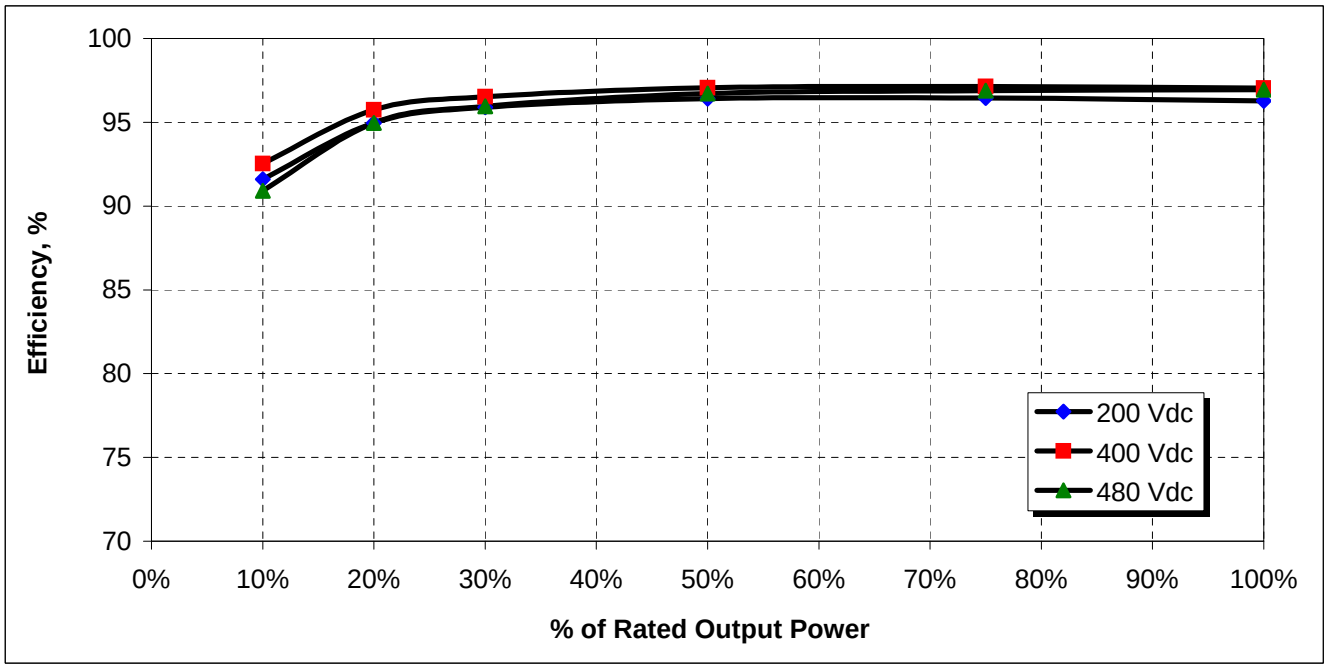
Model #: PVI-5000-OUTD-US (277 V)

Rated Maximum Continuous Output Power: 5.00 kW Night Tare Loss: -0.32 W

Vmin: 200 Vdc Vnom: 400 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.50	1.00	1.50	2.50	3.75	5.00	Wtd
Vmin	200	91.6	95.0	95.9	96.4	96.5	96.3	96.1
Vnom	400	92.5	95.7	96.5	97.1	97.1	97.0	96.8
Vmax	480	90.9	95.0	95.9	96.7	96.9	96.9	96.4

CEC Efficiency = 96.5%



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	482.745	199.39	91.601	482.66	199.38	91.587	482.8	199.38	91.617	483.09	199.38	91.674	482.54	199.39	91.561
20%	Vmin	1081.13	199.49	94.959	1081	199.5	94.946	1081.3	199.49	94.969	1081.2	199.49	94.964	1080.9	199.49	94.934
30%	Vmin	1610.88	199.6	95.898	1611	199.59	95.903	1611.3	199.59	95.921	1611.2	199.58	95.918	1611.1	199.58	95.906
50%	Vmin	2739.02	199.76	96.411	2738.7	199.77	96.400	2739.1	199.76	96.417	2739.1	199.75	96.423	2739.1	199.75	96.421
75%	Vmin	3508.4	199.78	96.447	3508.6	199.77	96.451	3508.6	199.77	96.449	3508.9	199.77	96.459	3508.8	199.77	96.459
100%	Vmin	4754.87	199.93	96.265	4755.2	199.92	96.277	4754.9	199.94	96.267	4754.7	199.94	96.267	4755.1	199.94	96.275
10%	Vnom	495.14	400.35	92.526	495.16	400.34	92.523	495.22	400.35	92.532	495.17	400.34	92.523	495.18	400.34	92.527
20%	Vnom	1097.62	400.41	95.744	1097.6	400.4	95.742	1097.7	400.39	95.747	1097.8	400.39	95.750	1097.8	400.39	95.752
30%	Vnom	1619.02	400.48	96.526	1619	400.48	96.527	1618.9	400.47	96.521	1618.9	400.47	96.520	1618.9	400.47	96.523
50%	Vnom	2741.58	400.58	97.050	2741.6	400.58	97.050	2741.6	400.58	97.051	2741.5	400.58	97.054	2741.6	400.58	97.057
75%	Vnom	3992.75	400.71	97.137	3992.8	400.71	97.137	3992.7	400.71	97.136	3992.9	400.71	97.138	3992.7	400.72	97.132
100%	Vnom	4754.6	400.81	97.043	4754.7	400.8	97.045	4755	400.8	97.045	4754.9	400.8	97.047	4754.9	400.8	97.048
10%	Vmax	494.587	479.73	90.927	494.56	479.75	90.910	494.63	479.75	90.923	494.57	479.76	90.910	494.53	479.76	90.909
20%	Vmax	1094.18	479.77	94.963	1094.2	479.77	94.964	1094.2	479.77	94.963	1094.2	479.78	94.961	1094.1	479.78	94.951
30%	Vmax	1618.18	479.79	95.945	1617.8	479.81	95.946	1617.8	479.81	95.945	1618.2	479.82	95.944	1617.8	479.82	95.944
50%	Vmax	2738.27	478.83	96.711	2738.3	478.83	96.712	2738.4	478.84	96.714	2738.6	478.84	96.715	2738.6	478.84	96.716
75%	Vmax	3986.67	478.97	96.884	3986.4	478.97	96.879	3986.5	478.98	96.884	3986.1	478.98	96.878	3986.1	478.98	96.881
100%	Vmax	4758.88	479.05	96.937	4758.7	479.06	96.935	4758.8	479.07	96.934	4759.1	479.06	96.938	4759.2	479.06	96.939

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	482.918	199.38	91.637	482.61	199.38	91.575									
20%	Vmin	1081.05	199.49	94.950	1081.7	199.48	95.008									
30%	Vmin	1611.07	199.58	95.903	1610.5	199.58	95.865									
50%	Vmin	2739.45	199.75	96.436	2739.2	199.75	96.428									
75%	Vmin	3508.95	199.78	96.464	3508.7	199.78	96.458									
100%	Vmin	4754.78	199.94	96.267	4754.7	199.93	96.271									
10%	Vnom	495.173	400.33	92.528	495.14	400.33	92.521									
20%	Vnom	1097.75	400.39	95.745	1097.8	400.4	95.740									
30%	Vnom	1618.95	400.47	96.522	1619	400.46	96.523									
50%	Vnom	2741.53	400.58	97.055	2741.4	400.57	97.053									
75%	Vnom	3992.83	400.72	97.135	3992.7	400.72	97.131									
100%	Vnom	4754.78	400.8	97.047	4754.7	400.8	97.050									
10%	Vmax	494.598	479.76	90.918	494.58	479.77	90.923									
20%	Vmax	1094.12	479.78	94.950	1094.2	479.78	94.955									
30%	Vmax	1618.1	479.83	95.946	1618	479.83	95.949									
50%	Vmax	2738.47	478.85	96.713	2738.5	478.85	96.714									
75%	Vmax	3986.17	478.98	96.884	3986.1	478.98	96.884									
100%	Vmax	4759.37	479.06	96.941	4759.3	479.07	96.941									