Manufacturer: Power-One, Inc.

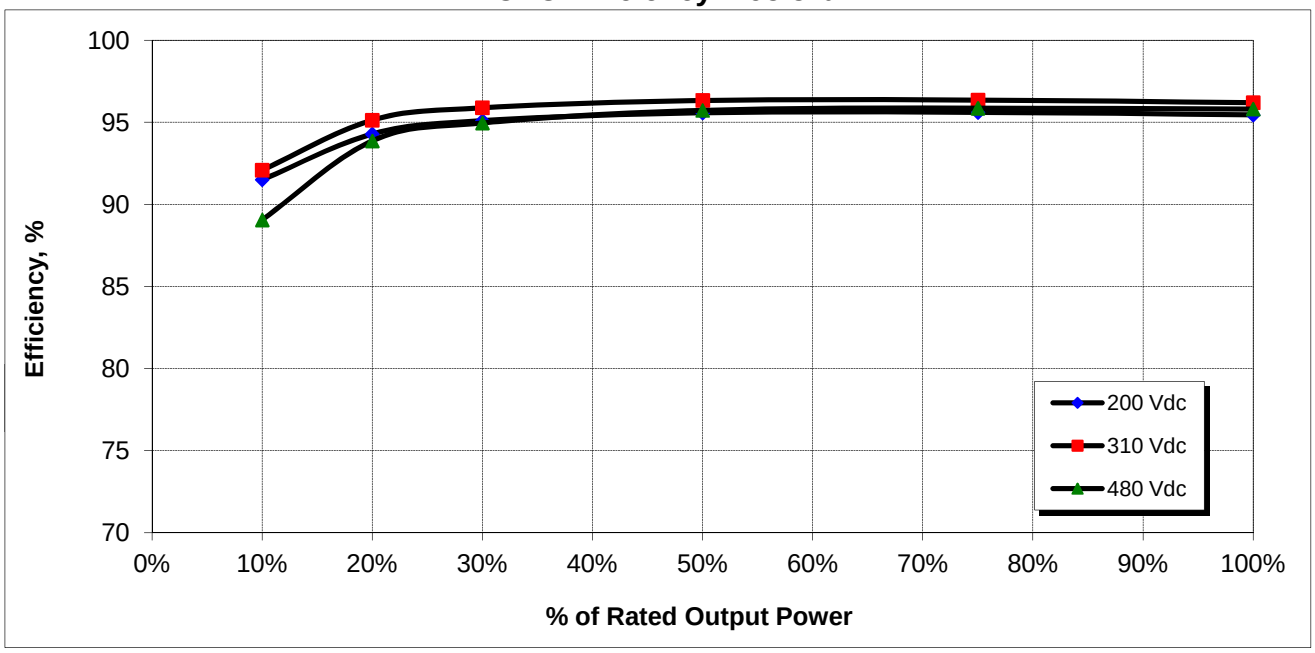
Model #: PVI-3.8-OUTD-x-US-y (208Vac)

Rated Maximum Continuous Output Power: 3.3 kW Night Tare Loss: 0.12 W

Vomin: 200 Vdc Vnom: 310 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	91.5	94.3	95.1	95.6	95.6	95.4	95.3
Vnom	310	92.1	95.1	95.9	96.3	96.4	96.2	96.1
Vmax	480	89.1	93.9	95.0	95.7	95.9	95.8	95.4

CEC Efficiency = 95.5%



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	326.56	201.15	91.49	326.48	201.14	91.50	326.61	201.14	91.49	326.84	201.13	91.50	326.71	201.14	91.51
20%	Vmin	721.83	201.20	94.28	721.83	201.20	94.27	721.73	201.20	94.28	721.37	201.19	94.28	721.77	201.20	94.30
30%	Vmin	1067.47	201.21	95.09	1067.40	201.20	95.08	1067.20	201.20	95.09	1067.23	201.21	95.09	1067.17	201.20	95.09
50%	Vmin	1809.87	201.32	95.57	1810.03	201.32	95.58	1809.93	201.32	95.58	1809.93	201.32	95.57	1809.80	201.32	95.57
75%	Vmin	2499.87	201.40	95.60	2499.83	201.41	95.60	2500.03	201.40	95.60	2500.10	201.40	95.61	2499.90	201.40	95.61
100%	Vmin	3139.40	201.54	95.45	3139.03	201.54	95.44	3139.13	201.54	95.44	3139.00	201.54	95.45	3138.87	201.54	95.44
10%	Vnom	326.63	310.70	92.09	326.42	310.69	92.08	326.34	310.69	92.08	326.27	310.69	92.06	326.44	310.69	92.08
20%	Vnom	721.17	310.73	95.14	721.10	310.73	95.13	721.13	310.73	95.13	721.53	310.73	95.13	721.20	310.73	95.14
30%	Vnom	1065.80	310.74	95.89	1065.60	310.75	95.89	1065.53	310.74	95.88	1065.80	310.74	95.89	1065.60	310.74	95.89
50%	Vnom	1806.70	310.76	96.33	1806.50	310.76	96.34	1806.90	310.75	96.34	1806.97	310.75	96.34	1806.80	310.75	96.34
75%	Vnom	2319.40	310.83	96.36	2319.43	310.83	96.36	2319.33	310.83	96.36	2318.90	310.82	96.36	2319.10	310.82	96.37
100%	Vnom	3138.37	311.03	96.19	3138.43	311.03	96.20	3138.20	311.02	96.20	3138.30	311.02	96.19	3138.23	311.02	96.20
10%	Vmax	329.20	479.22	89.07	329.39	479.24	89.06	328.94	479.24	89.05	328.63	479.25	89.05	328.92	479.25	89.05
20%	Vmax	724.37	479.31	93.87	724.23	479.31	93.87	724.60	479.32	93.86	724.37	479.32	93.87	724.30	479.33	93.87
30%	Vmax	1070.40	479.47	94.97	1070.57	479.48	94.96	1070.73	479.48	94.96	1070.67	479.49	94.96	1070.57	479.48	94.97
50%	Vmax	1811.57	479.24	95.73	1811.90	479.24	95.73	1812.03	479.24	95.73	1811.50	479.23	95.73	1811.87	479.24	95.73
75%	Vmax	2504.77	479.42	95.86	2505.57	479.42	95.86	2505.67	479.42	95.86	2506.13	479.42	95.86	2505.17	479.42	95.86
100%	Vmax	3139.10	479.52	95.81	3139.77	479.52	95.81	3139.37	479.52	95.81	3139.33	479.51	95.81	3139.07	479.52	95.81

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	326.81	201.14	91.53	326.83	201.13	91.52									
20%	Vmin	721.67	201.19	94.28	721.60	201.19	94.29									
30%	Vmin	1067.37	201.20	95.10	1067.03	201.17	95.10									
50%	Vmin	1810.17	201.32	95.58	1810.07	201.32	95.57									
75%	Vmin	2499.93	201.40	95.61	2499.80	201.40	95.59									
100%	Vmin	3139.03	201.54	95.44	3139.20	201.54	95.45									
10%	Vnom	326.56	310.69	92.09	326.53	310.68	92.09									
20%	Vnom	721.20	310.73	95.14	720.80	310.71	95.13									
30%	Vnom	1065.23	310.74	95.89	1065.33	310.73	95.88									
50%	Vnom	1806.53	310.74	96.33	1806.80	310.75	96.34									
75%	Vnom	2318.90	310.82	96.36	2318.67	310.82	96.35									
100%	Vnom	3138.37	311.02	96.19	3138.47	311.03	96.19									
10%	Vmax	329.05	479.24	89.04	329.51	479.25	89.07									
20%	Vmax	724.53	479.33	93.86	724.20	479.33	93.87									
30%	Vmax	1070.13	479.49	94.96	1070.73	479.49	94.97									
50%	Vmax	1811.57	479.23	95.73	1812.03	479.23	95.73									
75%	Vmax	2505.47	479.41	95.86	2505.83	479.40	95.86									
100%	Vmax	3139.40	479.52	95.81	3139.07	479.52	95.81									