Manufacturer: Power-One

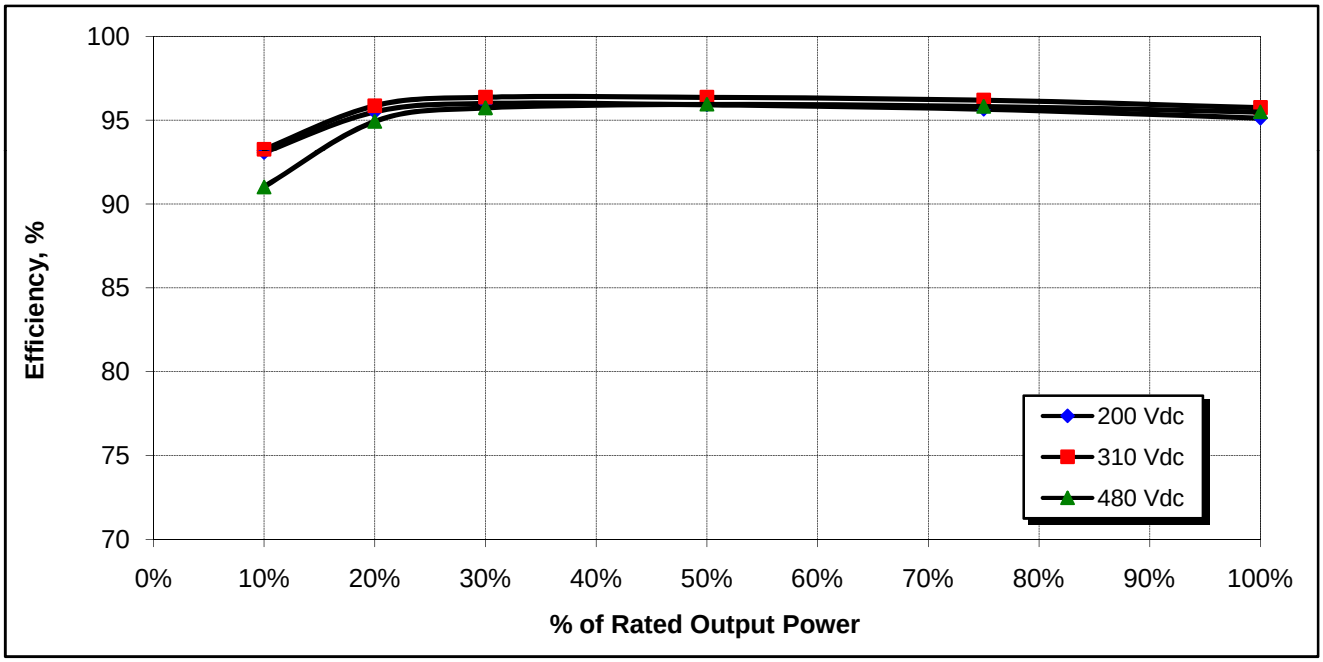
Model #: PVI-3.0-OUTD-x-US-y (208Vac)

Rated Maximum Continuous Output Power @25°C: 3.0 kW Night Tare Loss: 0.1 W
Rated Maximum Continuous Output Power @40°C: 3.0 kW Night Tare Loss: 0.1 W

Vmin: 200 Vdc Vnom: 310 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.30	0.60	0.90	1.50	2.25	3.00	Wtd
Vmin	200	93.1	95.5	96.0	95.9	95.7	95.1	95.6
Vnom	310	93.3	95.9	96.4	96.4	96.2	95.8	96.1
Vmax	480	91.0	94.9	95.7	96.0	95.8	95.5	95.6

CEC Efficiency = 96.0%



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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	295.38	199.99	93.09	295.12	199.99	93.07	295.33	199.99	93.06	295.26	199.99	93.07	295.18	199.99	93.07
20%	Vmin	655.24	200.02	95.50	655.18	200.02	95.49	654.95	200.03	95.49	655.13	200.02	95.50	655.05	200.02	95.50
30%	Vmin	971.09	200.00	96.01	970.99	200.00	96.00	970.94	200.00	96.00	970.99	200.00	96.01	970.99	200.00	96.01
50%	Vmin	1474.96	200.12	95.92	1474.87	200.12	95.92	1474.95	200.12	95.92	1475.02	200.12	95.92	1475.09	200.12	95.92
75%	Vmin	2115.67	200.08	95.66	2115.57	200.07	95.66	2115.46	200.08	95.66	2115.50	200.07	95.67	2115.57	200.07	95.66
100%	Vmin	2857.29	200.26	95.13	2857.29	200.25	95.12	2857.55	200.25	95.13	2857.15	200.25	95.13	2857.22	200.25	95.13
10%	Vnom	296.25	313.33	93.27	296.25	313.33	93.27	296.19	313.33	93.28	296.07	313.33	93.27	295.71	313.34	93.26
20%	Vnom	655.49	313.18	95.87	655.48	313.17	95.87	655.36	313.18	95.87	655.63	313.18	95.86	655.72	313.17	95.86
30%	Vnom	970.46	313.49	96.37	970.45	313.49	96.37	970.62	313.48	96.38	970.80	313.48	96.38	970.82	313.47	96.38
50%	Vnom	1540.79	313.47	96.37	1541.13	313.47	96.37	1540.65	313.47	96.38	1540.28	313.48	96.37	1540.30	313.48	96.37
75%	Vnom	2110.31	313.44	96.20	2110.52	313.43	96.20	2110.31	313.44	96.20	2110.66	313.44	96.20	2110.52	313.44	96.20
100%	Vnom	2853.69	313.68	95.75	2853.32	313.68	95.75	2852.92	313.68	95.75	2853.15	313.68	95.76	2853.39	313.68	95.75
10%	Vmax	295.60	479.31	91.06	294.65	479.32	91.03	294.27	479.33	91.03	294.35	479.33	91.02	294.13	479.34	91.04
20%	Vmax	655.34	479.33	94.93	654.53	479.34	94.93	654.45	479.35	94.95	653.68	479.35	94.93	653.30	479.35	94.93
30%	Vmax	970.55	479.36	95.73	969.06	479.36	95.74	974.37	479.36	95.74	974.06	479.36	95.75	974.10	479.36	95.75
50%	Vmax	1646.78	478.86	95.95	1646.92	478.86	95.95	1646.78	478.87	95.95	1647.20	478.86	95.95	1647.20	478.86	95.95
75%	Vmax	2167.34	478.86	95.82	2167.09	478.86	95.82	2167.30	478.86	95.83	2167.37	478.86	95.83	2167.41	478.86	95.83
100%	Vmax	2854.70	479.76	95.49	2854.56	479.76	95.49	2853.75	479.76	95.49	2854.42	479.76	95.50	2854.97	479.75	95.50

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	295.12	199.99	93.08	295.04	200.00	93.08									
20%	Vmin	654.91	200.02	95.50	654.82	200.02	95.50									
30%	Vmin	971.03	200.00	96.01	970.93	200.00	96.01									
50%	Vmin	1474.95	200.12	95.92	1474.95	200.12	95.92									
75%	Vmin	2115.43	200.07	95.66	2114.91	200.08	95.66									
100%	Vmin	2857.29	200.25	95.12	2857.01	200.24	95.13									
10%	Vnom	295.59	313.33	93.26	295.24	313.34	93.25									
20%	Vnom	655.71	313.17	95.86	655.94	313.17	95.86									
30%	Vnom	970.75	313.48	96.38	970.65	313.47	96.38									
50%	Vnom	1540.23	313.48	96.38	1540.00	313.48	96.38									
75%	Vnom	2110.45	313.43	96.20	2110.80	313.43	96.20									
100%	Vnom	2853.29	313.68	95.76	2853.50	313.68	95.76									
10%	Vmax	292.99	479.34	91.01	293.00	479.34	91.01									
20%	Vmax	652.71	479.35	94.93	652.94	479.35	94.93									
30%	Vmax	973.76	479.37	95.75	973.65	479.37	95.74									
50%	Vmax	1647.69	478.86	95.95	1647.62	478.86	95.95									
75%	Vmax	2167.75	478.85	95.83	2167.61	478.86	95.83									
100%	Vmax	2854.97	479.76	95.50	2854.86	479.75	95.50									