Manufacturer: Power-One

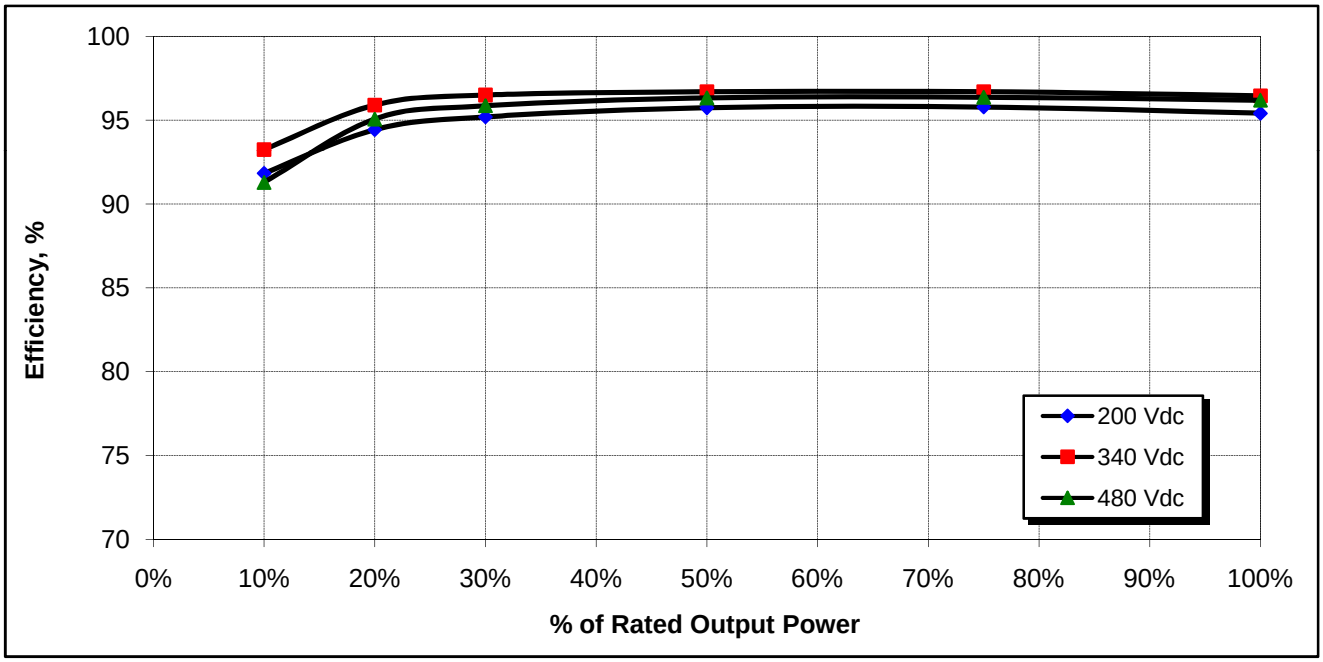
Model #: PVI-4.2-OUTD-x-US-y (240Vac)

Rated Maximum Continuous Output Power @25°C: 4.2 kW Night Tare Loss: 0.2 W
Rated Maximum Continuous Output Power @40°C: 4.2 kW Night Tare Loss: 0.2 W

Vmin: 200 Vdc Vnom: 340 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.42	0.84	1.26	2.10	3.15	4.20	Wtd
Vmin	200	91.8	94.4	95.2	95.7	95.8	95.4	95.5
Vnom	340	93.3	95.9	96.5	96.7	96.7	96.5	96.5
Vmax	480	91.3	95.1	95.9	96.3	96.4	96.2	96.0

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	416.63	199.74	91.844	416.6	199.73	91.813	416.6	199.71	91.826	416.9	199.71	91.822	417.1	199.7	91.831
20%	Vmin	911.43	199.85	94.431	912.5	199.84	94.430	913	199.83	94.430	913.3	199.83	94.437	913.4	199.83	94.437
30%	Vmin	1350.2	199.91	95.204	1351	199.91	95.207	1351	199.9	95.199	1351	199.9	95.202	1351	199.9	95.201
50%	Vmin	2295.1	200.04	95.750	2295	200.05	95.749	2295	200.04	95.755	2295	200.04	95.754	2295	200.04	95.744
75%	Vmin	2955	199.98	95.792	2955	199.97	95.799	2954	199.97	95.794	2953	199.98	95.789	2953	199.98	95.791
100%	Vmin	4005.4	200.22	95.418	4005	200.24	95.416	4004	200.23	95.418	4003	200.24	95.415	4002	200.25	95.417
10%	Vnom	413.97	339.94	93.220	412.1	339.91	93.228	413.3	339.9	93.242	414.4	339.89	93.269	414.8	339.88	93.278
20%	Vnom	917.98	340.06	95.905	918.3	340.06	95.905	918.2	340.05	95.904	918.4	340.05	95.901	918.7	340.05	95.909
30%	Vnom	1354.6	340.15	96.500	1356	340.14	96.495	1357	340.12	96.504	1358	340.12	96.497	1359	340.11	96.501
50%	Vnom	2300.6	340.08	96.691	2301	340.08	96.688	2301	340.07	96.694	2301	340.08	96.691	2301	340.08	96.695
75%	Vnom	2965.6	340.05	96.701	2946	340.05	96.697	2954	340.04	96.690	2955	340.04	96.696	2955	340.04	96.705
100%	Vnom	4006.6	340.24	96.457	4007	340.23	96.453	4007	340.23	96.451	4007	340.23	96.453	4007	340.22	96.452
10%	Vmax	409.97	479.92	91.188	412.6	479.98	91.274	411.1	480.02	91.265	408.8	480.04	91.254	416	480.06	91.377
20%	Vmax	915.01	480	95.080	910.8	480.03	95.060	908.3	480.05	95.058	907.3	480.06	95.053	906.8	480.07	95.056
30%	Vmax	1349.3	480.13	95.859	1347	480.15	95.850	1345	480.16	95.851	1346	480.17	95.860	1345	480.17	95.864
50%	Vmax	2303.6	480.01	96.319	2304	480	96.325	2304	480	96.329	2305	479.99	96.324	2305	480	96.329
75%	Vmax	2951.9	480.02	96.362	2952	480.02	96.364	2952	480.03	96.370	2954	480.02	96.375	2954	480.01	96.366
100%	Vmax	4002.1	479.89	96.185	4003	479.89	96.185	4002	479.89	96.192	4003	479.88	96.187	4003	479.88	96.192

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	417.22	199.7	91.850	417.4	199.7	91.849									
20%	Vmin	913.39	199.83	94.434	913.5	199.83	94.441									
30%	Vmin	1351	199.9	95.199	1351	199.91	95.201									
50%	Vmin	2295.1	200.03	95.745	2296	200.02	95.745									
75%	Vmin	2952.7	199.98	95.785	2953	199.98	95.792									
100%	Vmin	4001.1	200.26	95.422	4000	200.27	95.416									
10%	Vnom	415.46	339.88	93.287	415.4	339.88	93.276									
20%	Vnom	918.61	340.04	95.898	918.9	340.05	95.906									
30%	Vnom	1359	340.11	96.506	1359	340.11	96.501									
50%	Vnom	2301.1	340.08	96.688	2301	340.07	96.691									
75%	Vnom	2955	340.04	96.702	2955	340.04	96.692									
100%	Vnom	4007.9	340.22	96.457	4008	340.22	96.453									
10%	Vmax	415.69	480.07	91.353	414.7	480.08	91.351									
20%	Vmax	905.68	480.08	95.061	904.9	480.09	95.053									
30%	Vmax	1345.4	480.16	95.856	1345	480.17	95.853									
50%	Vmax	2305.9	479.99	96.328	2307	479.98	96.321									
75%	Vmax	2954.1	480.02	96.360	2956	480	96.371									
100%	Vmax	4003.6	479.88	96.190	4005	479.88	96.190									