Manufacturer: Power-One

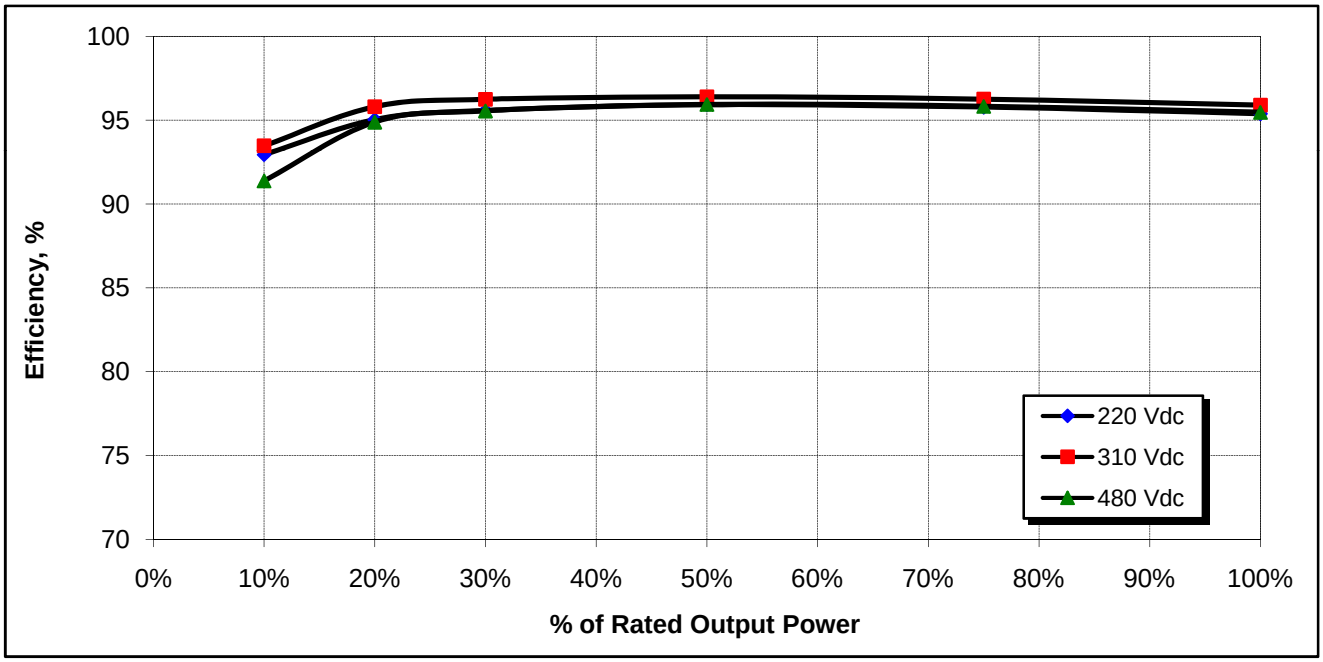
Model #: PVI-4.2-OUTD-x-US-y (208Vac)

Rated Maximum Continuous Output Power @25°C: 4.2 kW Night Tare Loss: 0.1 W
Rated Maximum Continuous Output Power @40°C: 4.2 kW Night Tare Loss: 0.1 W

Vmin: 220 Vdc Vnom: 310 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	220	92.9	95.0	95.6	95.9	95.8	95.4	95.6
Vnom	310	93.5	95.8	96.2	96.4	96.3	95.9	96.1
Vmax	480	91.4	94.9	95.6	95.9	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	417.6	220.14	92.931	417.8	220.14	92.934	417.9	220.14	92.950	417.9	220.13	92.951	418	220.13	92.959
20%	Vmin	920.81	220.29	95.030	920.9	220.28	95.032	921.2	220.28	95.032	921.3	220.28	95.035	921.4	220.28	95.044
30%	Vmin	1360.7	220.08	95.580	1361	220.08	95.570	1361	220.08	95.578	1361	220.07	95.572	1362	220.08	95.582
50%	Vmin	2151.3	220.11	95.923	2151	220.11	95.925	2151	220.11	95.918	2151	220.11	95.922	2151	220.11	95.927
75%	Vmin	2956.6	220.25	95.780	2957	220.26	95.779	2957	220.25	95.778	2957	220.25	95.782	2958	220.25	95.778
100%	Vmin	3999.4	220.36	95.383	3999	220.35	95.388	3999	220.36	95.388	3999	220.36	95.382	3999	220.36	95.387
10%	Vnom	415.55	309.99	93.457	417.7	309.96	93.478	419.2	309.95	93.496	415.7	309.93	93.465	416.1	309.93	93.475
20%	Vnom	920.9	310.05	95.809	922.1	310.01	95.805	923.4	309.98	95.806	920.6	309.96	95.806	918.3	309.95	95.804
30%	Vnom	1355.2	309.97	96.247	1355	309.98	96.248	1355	309.98	96.246	1356	309.98	96.246	1356	309.97	96.250
50%	Vnom	2296.2	310.03	96.391	2296	310.03	96.383	2296	310.02	96.398	2296	310.02	96.395	2296	310.03	96.396
75%	Vnom	2957.6	310.02	96.255	2959	310.01	96.263	2960	310	96.264	2960	310	96.267	2961	310	96.261
100%	Vnom	3995.4	310.01	95.899	3995	310	95.901	3994	310.01	95.898	3995	310.01	95.900	3995	310	95.899
10%	Vmax	413.3	480.02	91.422	412.7	480.03	91.399	412.1	480.03	91.374	411.6	480.04	91.339	411.6	480.04	91.367
20%	Vmax	918.06	480.13	94.877	917.4	480.14	94.876	917.1	480.14	94.883	916.7	480.15	94.894	916.7	480.14	94.898
30%	Vmax	1354.4	480.14	95.561	1350	480.17	95.555	1347	480.2	95.556	1346	480.2	95.559	1344	480.22	95.538
50%	Vmax	2296.3	479.59	95.938	2296	479.6	95.930	2296	479.6	95.934	2296	479.61	95.951	2297	479.61	95.946
75%	Vmax	2955.9	479.84	95.819	2957	479.84	95.825	2957	479.84	95.831	2957	479.84	95.831	2958	479.84	95.831
100%	Vmax	3997	479.99	95.474	3996	480	95.480	3997	479.99	95.473	3996	480	95.470	3996	480	95.472

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	418.17	220.13	92.937	418.3	220.13	92.941									
20%	Vmin	921.67	220.28	95.036	921.5	220.28	95.026									
30%	Vmin	1361.9	220.07	95.588	1362	220.07	95.581									
50%	Vmin	2151	220.11	95.916	2151	220.11	95.929									
75%	Vmin	2958	220.25	95.782	2959	220.25	95.787									
100%	Vmin	3998.4	220.37	95.386	3998	220.37	95.384									
10%	Vnom	416.25	309.92	93.475	416.6	309.92	93.476									
20%	Vnom	917.09	309.94	95.798	917.3	309.94	95.793									
30%	Vnom	1355.4	309.97	96.248	1356	309.97	96.249									
50%	Vnom	2296.4	310.03	96.391	2297	310.02	96.401									
75%	Vnom	2962.1	309.98	96.276	2963	309.98	96.268									
100%	Vnom	3996.3	309.99	95.904	3997	309.99	95.898									
10%	Vmax	410.81	480.04	91.387	411	480.04	91.414									
20%	Vmax	916.55	480.14	94.887	916.5	480.15	94.903									
30%	Vmax	1343.4	480.23	95.548	1343	480.23	95.552									
50%	Vmax	2297.3	479.61	95.944	2298	479.6	95.956									
75%	Vmax	2958	479.84	95.827	2958	479.84	95.833									
100%	Vmax	3995.8	480	95.476	3995	480	95.471									