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

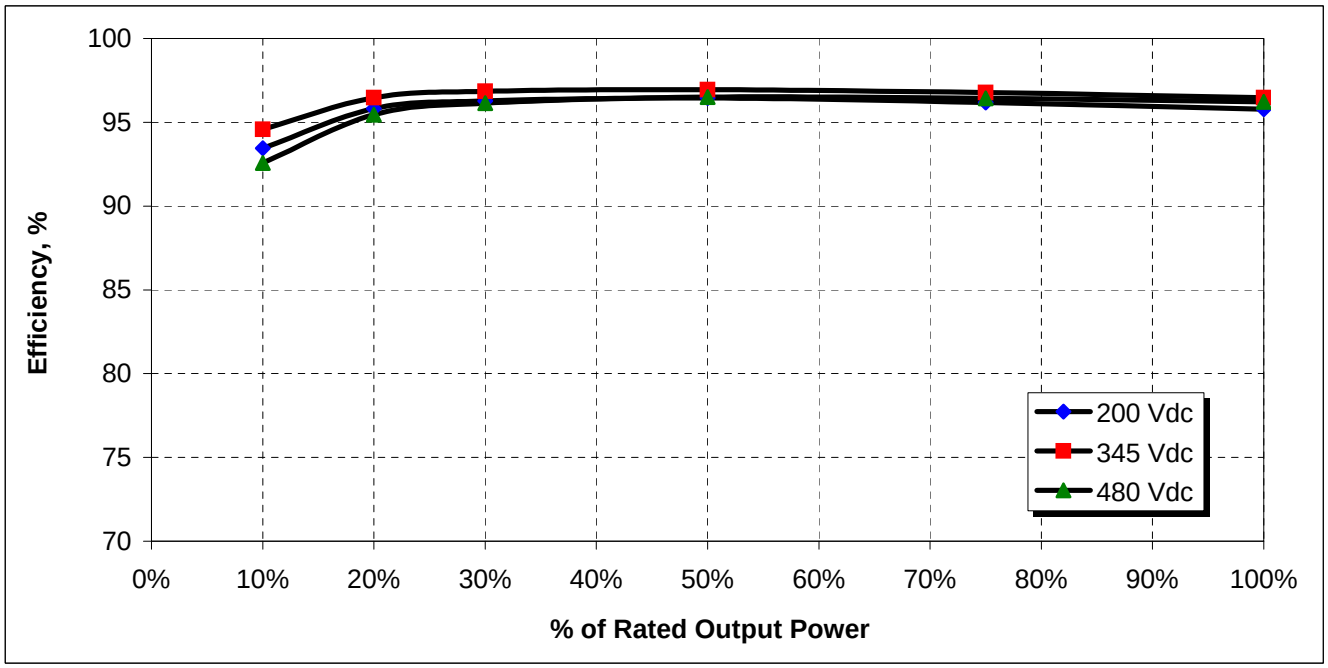
Model #: PVI-6000-OUTD-US (240 V)

Rated Maximum Continuous Output Power: 6.00 kW Night Tare Loss: -0.24 W

Vmin: 200 Vdc Vnom: 345 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.60	1.20	1.80	3.00	4.50	6.00	Wtd
Vmin	200	93.5	95.8	96.3	96.4	96.2	95.8	96.1
Vnom	345	94.6	96.5	96.9	96.9	96.8	96.5	96.7
Vmax	480	92.6	95.5	96.1	96.5	96.4	96.2	96.2

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	595.137	199.54	93.481	595.13	199.54	93.480	595.18	199.53	93.491	594.68	199.53	93.410	594.86	199.53	93.440
20%	Vmin	1313.82	199.65	95.823	1313.8	199.65	95.821	1313.8	199.65	95.818	1313.8	199.64	95.818	1314.5	199.64	95.866
30%	Vmin	1944.63	199.74	96.278	1944.7	199.74	96.286	1945	199.73	96.304	1944.8	199.74	96.293	1944.4	199.73	96.281
50%	Vmin	2704.93	199.86	96.432	2704.9	199.86	96.429	2705.2	199.86	96.443	2705.2	199.86	96.443	2705.3	199.86	96.444
75%	Vmin	4206.28	200.08	96.181	4206.1	200.09	96.181	4206.3	200.08	96.187	4206.4	200.08	96.189	4206.4	200.09	96.183
100%	Vmin	5703.58	200.26	95.780	5703.6	200.26	95.776	5703.8	200.27	95.776	5703.6	200.26	95.779	5703.4	200.25	95.781
10%	Vnom	598.092	341.71	94.589	597.91	341.69	94.567	598.1	341.68	94.589	597.93	341.67	94.560	597.95	341.67	94.559
20%	Vnom	1316.53	341.79	96.472	1316.5	341.77	96.474	1316.4	341.77	96.469	1316.5	341.78	96.477	1316.5	341.78	96.475
30%	Vnom	1943.9	341.87	96.854	1943.9	341.87	96.850	1943.7	341.87	96.846	1943.6	341.87	96.848	1943.7	341.87	96.853
50%	Vnom	3294.43	343.04	96.948	3294.6	343.04	96.953	3294.5	343.04	96.949	3294.4	343.04	96.948	3294.5	343.05	96.948
75%	Vnom	4209.72	342.47	96.775	4209.5	342.47	96.771	4209.7	342.47	96.774	4209.9	342.47	96.775	4209.9	342.47	96.771
100%	Vnom	5703.8	344.12	96.476	5704.3	344.12	96.476	5704.4	344.12	96.477	5704.5	344.12	96.476	5704.6	344.12	96.476
10%	Vmax	598.547	478.8	92.566	598.59	478.8	92.573	598.57	478.81	92.573	598.58	478.81	92.573	598.49	478.81	92.571
20%	Vmax	1314.18	478.94	95.452	1314.6	478.93	95.451	1314.4	478.93	95.459	1314.6	478.93	95.452	1314.6	478.93	95.465
30%	Vmax	1944.73	479.04	96.146	1944.7	479.04	96.148	1944.8	479.04	96.151	1944.8	479.04	96.150	1944.8	479.05	96.145
50%	Vmax	3298.43	479.14	96.499	3298.4	479.14	96.497	3298.2	479.13	96.497	3298.2	479.13	96.500	3298.1	479.13	96.501
75%	Vmax	4203.1	479.58	96.419	4202.9	479.58	96.419	4203.1	479.58	96.420	4203.1	479.58	96.422	4203.1	479.57	96.419
100%	Vmax	5704.07	479.87	96.224	5704	479.87	96.223	5704.3	479.87	96.225	5704.4	479.87	96.224	5704.3	479.86	96.225

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	595.023	199.54	93.455	594.94	199.53	93.436									
20%	Vmin	1313.82	199.64	95.818	1313.6	199.63	95.810									
30%	Vmin	1944.33	199.74	96.278	1944.3	199.74	96.280									
50%	Vmin	2705.22	199.86	96.449	2705.3	199.86	96.459									
75%	Vmin	4206.47	200.07	96.187	4206.5	200.09	96.180									
100%	Vmin	5703.55	200.27	95.781	5703.4	200.28	95.773									
10%	Vnom	598.088	341.66	94.583	598.08	341.66	94.579									
20%	Vnom	1316.48	341.77	96.467	1316.5	341.77	96.469									
30%	Vnom	1943.6	341.87	96.852	1943.7	341.86	96.854									
50%	Vnom	3294.55	343.04	96.950	3294.5	343.04	96.949									
75%	Vnom	4209.92	342.47	96.770	4209.9	342.47	96.769									
100%	Vnom	5704.73	344.12	96.478	5704.9	344.12	96.478									
10%	Vmax	598.492	478.82	92.573	598.49	478.82	92.578									
20%	Vmax	1314.68	478.93	95.457	1314.7	478.93	95.461									
30%	Vmax	1944.7	479.04	96.149	1944.6	479.04	96.149									
50%	Vmax	3298.12	479.13	96.497	3298.1	479.13	96.498									
75%	Vmax	4203.18	479.57	96.421	4203.2	479.58	96.422									
100%	Vmax	5704.28	479.86	96.223	5704.4	479.86	96.223									