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

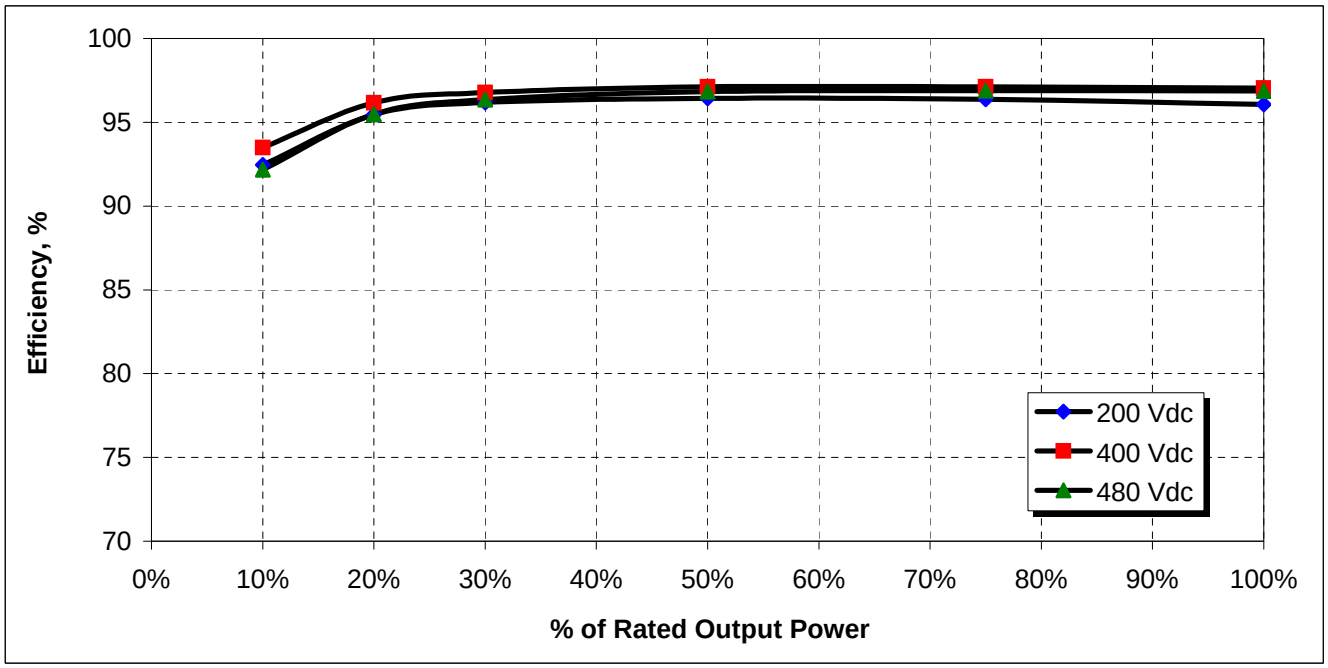
Model #: PVI-6000-OUTD-US (277 V)

Rated Maximum Continuous Output Power: 6.00 kW Night Tare Loss: -0.32 W

Vmin: 200 Vdc Vnom: 400 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	92.5	95.5	96.2	96.4	96.4	96.1	96.1
Vnom	400	93.5	96.2	96.8	97.1	97.1	97.0	96.9
Vmax	480	92.2	95.5	96.3	96.8	96.9	96.9	96.5

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	583.027	199.4	92.414	583.29	199.4	92.450	583.28	199.4	92.459	583.47	199.4	92.496	582.85	199.4	92.401
20%	Vmin	1300.88	199.53	95.469	1300.5	199.53	95.444	1300.5	199.54	95.440	1300.4	199.54	95.448	1301.1	199.53	95.496
30%	Vmin	1942.95	199.65	96.172	1942.9	199.65	96.161	1943.4	199.65	96.187	1943.2	199.65	96.176	1943.2	199.65	96.171
50%	Vmin	3291.53	199.84	96.438	3291.2	199.85	96.431	3291.4	199.85	96.436	3291.5	199.84	96.437	3291.1	199.84	96.428
75%	Vmin	4207.22	199.88	96.376	4207.2	199.87	96.378	4206.9	199.88	96.369	4207.3	199.88	96.376	4207.2	199.88	96.372
100%	Vmin	5708.32	200.05	96.081	5707.4	200.06	96.067	5707.8	200.05	96.073	5707.3	200.05	96.063	5707.7	200.05	96.069
10%	Vnom	593.378	400.35	93.492	593.4	400.34	93.496	593.36	400.35	93.488	593.4	400.35	93.489	593.38	400.35	93.492
20%	Vnom	1317.15	400.45	96.156	1317.1	400.44	96.158	1317.1	400.43	96.157	1317	400.42	96.159	1317.1	400.43	96.156
30%	Vnom	1940.15	400.51	96.769	1940.2	400.5	96.771	1940.1	400.49	96.767	1940.1	400.49	96.772	1940.1	400.48	96.772
50%	Vnom	3294.95	400.64	97.109	3294.9	400.64	97.108	3295	400.63	97.110	3295.1	400.63	97.112	3295.2	400.63	97.114
75%	Vnom	4210.92	400.74	97.124	4211.1	400.74	97.122	4211.1	400.74	97.121	4210.7	400.74	97.121	4210.4	400.73	97.121
100%	Vnom	5705.4	400.85	97.046	5705.3	400.86	97.043	5705.1	400.86	97.041	5705.1	400.86	97.041	5705.2	400.85	97.042
10%	Vmax	598.498	479.76	92.175	598.47	479.77	92.171	598.5	479.77	92.180	598.53	479.78	92.183	598.44	479.78	92.170
20%	Vmax	1318.15	479.79	95.474	1317.7	479.8	95.464	1317.3	479.8	95.464	1317.3	479.81	95.465	1317.7	479.81	95.471
30%	Vmax	1942.47	479.83	96.329	1942.5	479.84	96.332	1942.6	479.83	96.332	1942.9	479.84	96.346	1943.1	479.85	96.355
50%	Vmax	3292.1	478.93	96.836	3292.1	478.94	96.838	3292.1	478.94	96.836	3292.1	478.94	96.834	3292.2	478.95	96.840
75%	Vmax	4500.53	479.03	96.879	4500.6	479.03	96.878	4501	479.02	96.883	4501	479.02	96.883	4500.8	479.01	96.878
100%	Vmax	5704.95	479.07	96.876	5705.1	479.08	96.876	5705.4	479.08	96.878	5705.8	479.08	96.877	5706.1	479.07	96.876

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	583.242	199.4	92.468	583.41	199.4	92.480									
20%	Vmin	1300.65	199.53	95.466	1300.7	199.54	95.465									
30%	Vmin	1943.15	199.65	96.174	1943.1	199.64	96.170									
50%	Vmin	3291.03	199.84	96.429	3291	199.85	96.431									
75%	Vmin	4207.43	199.88	96.376	4207	199.88	96.365									
100%	Vmin	5707.93	200.07	96.066	5707.2	200.05	96.064									
10%	Vnom	593.41	400.34	93.493	593.44	400.35	93.489									
20%	Vnom	1317.17	400.42	96.158	1317.2	400.42	96.160									
30%	Vnom	1940.15	400.48	96.774	1940.2	400.48	96.775									
50%	Vnom	3295.28	400.62	97.111	3295.3	400.63	97.108									
75%	Vnom	4210.28	400.74	97.124	4210.3	400.74	97.125									
100%	Vnom	5705.03	400.86	97.044	5704.9	400.85	97.042									
10%	Vmax	598.45	479.78	92.167	598.49	479.78	92.177									
20%	Vmax	1317.6	479.81	95.468	1317.5	479.81	95.464									
30%	Vmax	1943.2	479.85	96.355	1943.3	479.86	96.356									
50%	Vmax	3292.38	478.95	96.842	3292.1	478.95	96.833									
75%	Vmax	4500.93	479.01	96.882	4501.3	479.01	96.885									
100%	Vmax	5706.03	479.08	96.877	5706	479.08	96.878									