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

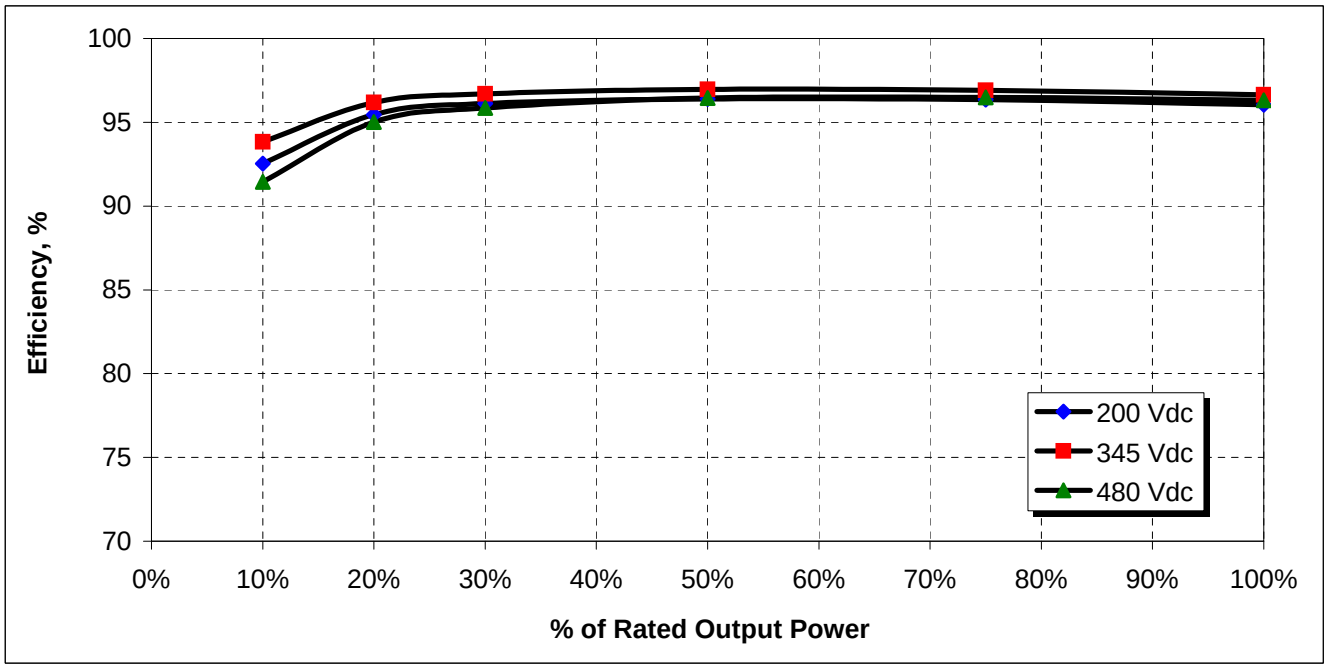
Model #: PVI-5000-OUTD-US (240 V)

Rated Maximum Continuous Output Power: 5.00 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)		0.50	1.00	1.50	2.50	3.75	5.00	Wtd
Vmin	200	92.5	95.5	96.1	96.4	96.3	96.0	96.1
Vnom	345	93.8	96.2	96.7	97.0	96.9	96.6	96.7
Vmax	480	91.5	95.0	95.9	96.4	96.5	96.3	96.1

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	494.418	199.52	92.523	494.56	199.51	92.550	494.52	199.51	92.543	494.28	199.5	92.502	494.35	199.53	92.505
20%	Vmin	1096.33	199.61	95.449	1096.5	199.61	95.459	1096.6	199.61	95.472	1096.6	199.61	95.471	1096.5	199.6	95.464
30%	Vmin	1618.9	199.68	96.123	1619	199.68	96.129	1618.6	199.68	96.104	1618.9	199.67	96.118	1618.7	199.67	96.113
50%	Vmin	2709.03	199.85	96.389	2709.8	199.85	96.413	2709.6	199.84	96.401	2710	199.84	96.399	2710.6	199.84	96.400
75%	Vmin	3505.25	199.98	96.337	3505.5	199.98	96.345	3505.7	199.98	96.352	3505.8	199.98	96.355	3505.8	199.98	96.354
100%	Vmin	4755.8	200.12	96.044	4755.7	200.12	96.041	4755.8	200.13	96.036	4756.2	200.13	96.045	4755.6	200.12	96.038
10%	Vnom	496.413	341.66	93.821	496.31	341.65	93.799	496.4	341.64	93.815	496.41	341.63	93.825	496.57	341.63	93.854
20%	Vnom	1096.37	341.73	96.175	1096.2	341.72	96.168	1096.4	341.71	96.185	1096.2	341.7	96.175	1096.2	341.7	96.174
30%	Vnom	1621.45	341.82	96.706	1621.4	341.81	96.701	1621.3	341.81	96.699	1621.4	341.81	96.702	1621.5	341.81	96.705
50%	Vnom	2740.23	344.03	96.951	2740.2	344.03	96.960	2740	344.03	96.949	2740.2	344.02	96.960	2740.2	344.01	96.960
75%	Vnom	3524.08	342.1	96.904	3524.2	342.1	96.904	3524.1	342.1	96.903	3524.1	342.1	96.909	3524	342.1	96.910
100%	Vnom	4751.92	344.73	96.642	4751.9	344.73	96.639	4751.9	344.73	96.638	4752.2	344.73	96.639	4752.2	344.73	96.639
10%	Vmax	498.717	478.71	91.454	498.7	478.73	91.450	498.68	478.75	91.441	498.75	478.76	91.451	498.74	478.77	91.447
20%	Vmax	1095.53	478.84	95.011	1095.9	478.84	95.011	1095.6	478.85	95.015	1095.9	478.86	95.009	1095.8	478.86	95.008
30%	Vmax	1617.83	478.93	95.854	1617.9	478.95	95.855	1618	478.95	95.856	1618	478.96	95.852	1618.4	478.97	95.851
50%	Vmax	2745.55	479.03	96.434	2745.6	479.04	96.439	2745.6	479.04	96.442	2745.4	479.04	96.433	2745.5	479.05	96.441
75%	Vmax	3754.18	478.29	96.491	3754	478.29	96.492	3753.7	478.29	96.495	3753.1	478.28	96.491	3752.9	478.29	96.493
100%	Vmax	4753.22	479.78	96.322	4753.4	479.79	96.320	4753.7	479.78	96.323	4753.8	479.78	96.324	4753.8	479.78	96.324

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	494.298	199.51	92.500	494.55	199.48	92.551									
20%	Vmin	1096.45	199.6	95.460	1096.6	199.59	95.470									
30%	Vmin	1618.78	199.67	96.118	1618.7	199.67	96.106									
50%	Vmin	2710.55	199.84	96.387	2711.1	199.84	96.407									
75%	Vmin	3505.3	199.99	96.347	3505.6	199.98	96.354									
100%	Vmin	4755.72	200.12	96.042	4755.3	200.13	96.035									
10%	Vnom	496.437	341.62	93.825	496.6	341.61	93.853									
20%	Vnom	1096.32	341.7	96.185	1096.2	341.7	96.175									
30%	Vnom	1621.48	341.8	96.705	1621.3	341.81	96.699									
50%	Vnom	2740	344.02	96.952	2740.4	344.02	96.964									
75%	Vnom	3523.87	342.1	96.905	3524.1	342.1	96.905									
100%	Vnom	4752.38	344.73	96.642	4752.4	344.73	96.640									
10%	Vmax	498.732	478.78	91.457	498.65	478.78	91.452									
20%	Vmax	1095.63	478.86	95.016	1095.7	478.86	95.013									
30%	Vmax	1618.13	478.98	95.858	1617.5	478.97	95.844									
50%	Vmax	2745.42	479.05	96.439	2745.5	479.05	96.448									
75%	Vmax	3752.77	478.28	96.496	3752.7	478.29	96.498									
100%	Vmax	4753.95	479.78	96.322	4754.1	479.77	96.324									