Manufacturer: Power-One, Inc.

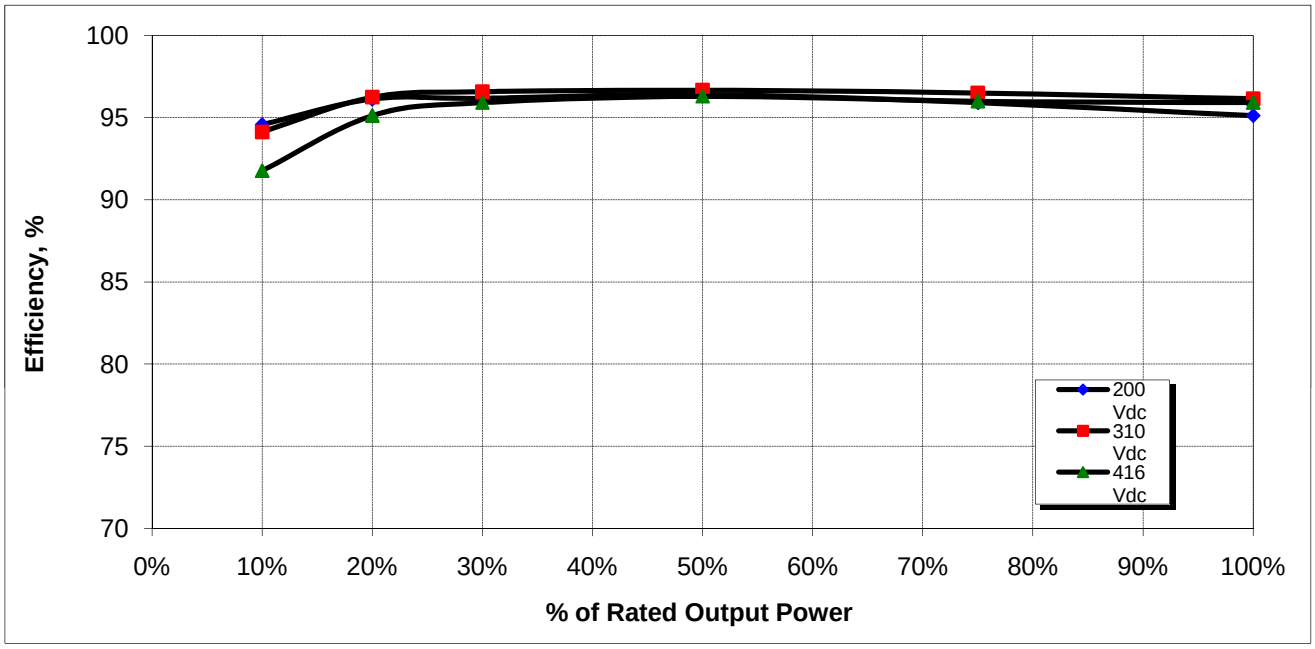
Model #: PVI-4.6-I-OUTD-x-US-y

Rated Maximum Continuous Output Power @25°C: 4.6 kW Night Tare Loss: 0.1 W
Rated Maximum Continuous Output Power @40°C: 4.6 kW Night Tare Loss: 0.1 W

Vmin: 200 Vdc Vnom: 310 Vdc Vmax: 416 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.46	0.92	1.38	2.30	3.45	4.60	Wtd
Vmin	200	94.6	96.1	96.2	96.4	95.9	95.1	96.0
Vnom	310	94.1	96.2	96.6	96.7	96.5	96.2	96.4
Vmax	416	91.8	95.1	95.9	96.3	96.0	95.9	95.8

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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	457	201	94.57	457	201	94.58	457	201	94.59	457	201	94.56	457	201	94.57
20%	Vmin	1010	201	96.12	1010	201	96.12	1010	201	96.14	1010	201	96.13	1010	201	96.13
30%	Vmin	1489	201	96.16	1489	201	96.17	1489	201	96.17	1489	201	96.17	1489	201	96.17
50%	Vmin	2106	201	96.40	2106	201	96.40	2105	201	96.40	2105	201	96.40	2106	201	96.40
75%	Vmin	3227	201	95.90	3227	201	95.91	3227	201	95.90	3227	201	95.91	3227	201	95.91
100%	Vmin	4375	201	95.12	4375	201	95.12	4375	201	95.12	4375	201	95.12	4374	201	95.11
10%	Vnom	459	311	94.11	459	311	94.13	459	311	94.12	459	311	94.13	459	311	94.11
20%	Vnom	1009	311	96.24	1009	311	96.25	1009	311	96.25	1009	311	96.25	1009	311	96.25
30%	Vnom	1488	311	96.58	1489	311	96.59	1488	311	96.59	1488	311	96.59	1488	311	96.58
50%	Vnom	2304	311	96.68	2304	311	96.68	2303	311	96.67	2304	311	96.68	2304	311	96.68
75%	Vnom	3230	310	96.52	3230	310	96.52	3230	310	96.51	3230	310	96.51	3230	310	96.51
100%	Vnom	4389	310	96.15	4389	310	96.15	4389	310	96.15	4389	310	96.15	4389	310	96.15
10%	Vmax	456	416	91.78	456	416	91.78	456	416	91.80	457	416	91.80	456	416	91.77
20%	Vmax	1009	416	95.14	1009	416	95.13	1009	416	95.13	1009	416	95.12	1009	416	95.13
30%	Vmax	1487	416	95.92	1487	416	95.92	1487	416	95.92	1487	416	95.93	1487	416	95.92
50%	Vmax	2526	416	96.30	2526	416	96.31	2526	416	96.31	2526	416	96.30	2526	416	96.30
75%	Vmax	3670	415	96.00	3670	415	95.99	3670	415	95.99	3671	416	95.99	3672	415	96.02
100%	Vmax	4379	415	95.91	4380	416	95.91	4380	415	95.92	4381	416	95.92	4380	415	95.92

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	457	201	94.58	457	201	94.55									
20%	Vmin	1010	201	96.13	1010	201	96.13									
30%	Vmin	1490	201	96.17	1489	201	96.17									
50%	Vmin	2106	201	96.40	2106	201	96.40									
75%	Vmin	3226	201	95.91	3226	201	95.91									
100%	Vmin	4374	201	95.12	4374	201	95.11									
10%	Vnom	459	311	94.12	459	311	94.13									
20%	Vnom	1009	311	96.25	1009	311	96.25									
30%	Vnom	1488	311	96.60	1488	311	96.60									
50%	Vnom	2304	311	96.68	2304	311	96.68									
75%	Vnom	3230	310	96.51	3230	310	96.51									
100%	Vnom	4388	310	96.15	4388	310	96.15									
10%	Vmax	456	416	91.76	456	416	91.77									
20%	Vmax	1009	416	95.13	1009	416	95.13									
30%	Vmax	1487	416	95.92	1488	416	95.92									
50%	Vmax	2526	416	96.31	2527	416	96.31									
75%	Vmax	3671	415	96.01	3672	416	96.02									
100%	Vmax	4380	416	95.93	4381	416	95.93									