Manufacturer: Power-One, Inc.

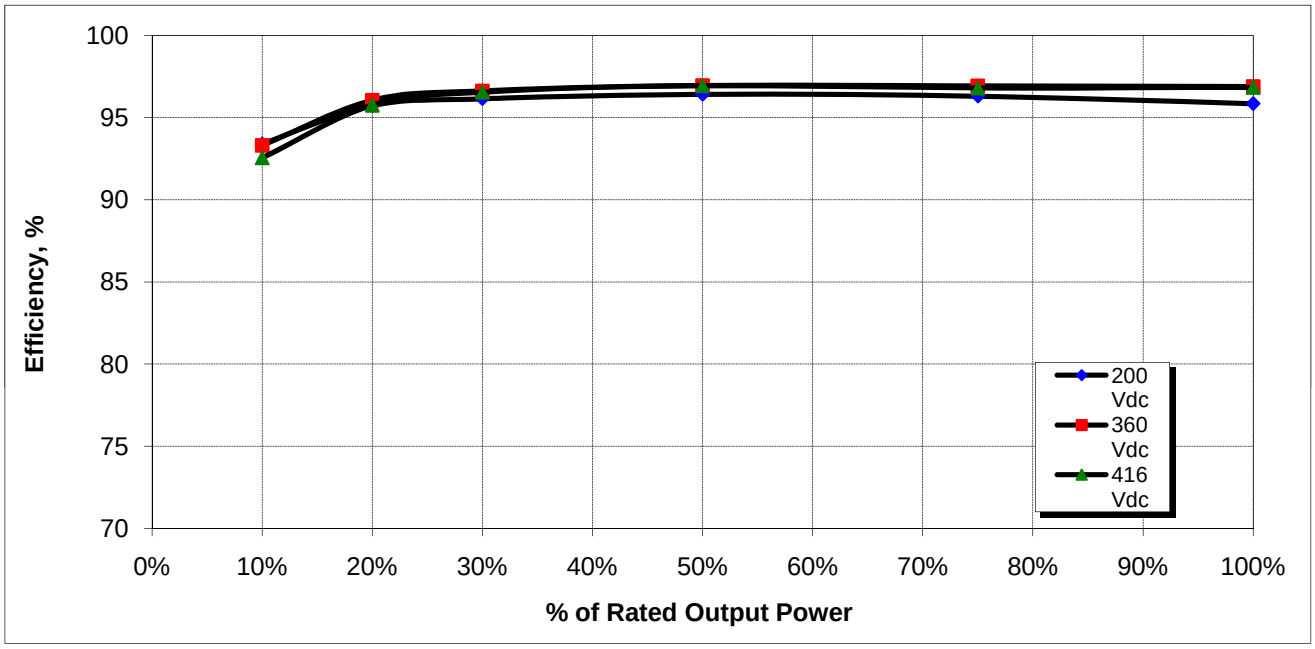
Model #: PVI-4.6-I-OUTD-x-US-y

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: 360 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	93.4	95.7	96.1	96.4	96.3	95.9	96.1
Vnom	360	93.3	96.1	96.6	97.0	96.9	96.9	96.7
Vmax	416	92.6	95.8	96.5	96.9	96.8	96.8	96.6

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	458	201	93.38	457	201	93.42	457	201	93.43	458	201	93.40	458	201	93.39
20%	Vmin	1009	201	95.74	1009	201	95.73	1009	201	95.75	1009	201	95.74	1009	201	95.71
30%	Vmin	1480	201	96.14	1480	201	96.13	1480	201	96.12	1480	201	96.16	1480	201	96.16
50%	Vmin	2522	201	96.42	2522	201	96.42	2522	201	96.43	2522	201	96.42	2522	201	96.43
75%	Vmin	3225	201	96.31	3225	201	96.30	3225	201	96.31	3225	201	96.30	3226	201	96.31
100%	Vmin	4378	201	95.88	4377	201	95.86	4376	201	95.84	4376	201	95.84	4377	201	95.85
10%	Vnom	459	361	93.32	459	361	93.30	459	361	93.27	459	361	93.32	459	361	93.29
20%	Vnom	1009	361	96.07	1009	361	96.06	1009	361	96.06	1008	361	96.05	1008	361	96.05
30%	Vnom	1486	361	96.63	1486	361	96.64	1486	361	96.63	1486	361	96.63	1486	361	96.63
50%	Vnom	2351	361	96.96	2351	361	96.96	2351	361	96.97	2351	361	96.96	2352	361	96.96
75%	Vnom	3664	361	96.92	3664	361	96.92	3664	361	96.93	3665	361	96.93	3664	361	96.93
100%	Vnom	4372	361	96.89	4373	361	96.89	4373	361	96.89	4372	361	96.89	4373	361	96.89
10%	Vmax	458	416	92.54	458	416	92.55	458	416	92.54	458	416	92.53	458	416	92.55
20%	Vmax	1008	416	95.78	1008	416	95.76	1008	416	95.76	1008	416	95.75	1008	416	95.76
30%	Vmax	1488	416	96.55	1487	416	96.55	1488	416	96.56	1488	416	96.55	1487	416	96.55
50%	Vmax	2498	416	96.95	2497	416	96.94	2497	416	96.95	2497	416	96.94	2498	416	96.95
75%	Vmax	3675	416	96.77	3675	416	96.78	3677	416	96.81	3677	416	96.81	3677	416	96.82
100%	Vmax	4611	416	96.84	4611	416	96.84	4611	416	96.85	4611	416	96.84	4611	416	96.84

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	458	201	93.44	458	201	93.41									
20%	Vmin	1009	201	95.73	1009	201	95.74									
30%	Vmin	1480	201	96.15	1480	201	96.14									
50%	Vmin	2522	201	96.42	2522	201	96.41									
75%	Vmin	3225	201	96.32	3225	201	96.30									
100%	Vmin	4376	201	95.84	4377	201	95.84									
10%	Vnom	459	361	93.33	459	361	93.36									
20%	Vnom	1008	361	96.06	1008	361	96.05									
30%	Vnom	1486	361	96.62	1485	361	96.63									
50%	Vnom	2351	361	96.96	2351	361	96.97									
75%	Vnom	3664	361	96.93	3665	361	96.93									
100%	Vnom	4373	361	96.89	4373	361	96.89									
10%	Vmax	458	416	92.59	458	416	92.58									
20%	Vmax	1008	416	95.77	1007	416	95.75									
30%	Vmax	1487	416	96.54	1487	416	96.54									
50%	Vmax	2498	416	96.95	2498	416	96.94									
75%	Vmax	3677	416	96.81	3677	416	96.81									
100%	Vmax	4611	416	96.84	4611	416	96.85									