Manufacturer: Power-One, Inc.

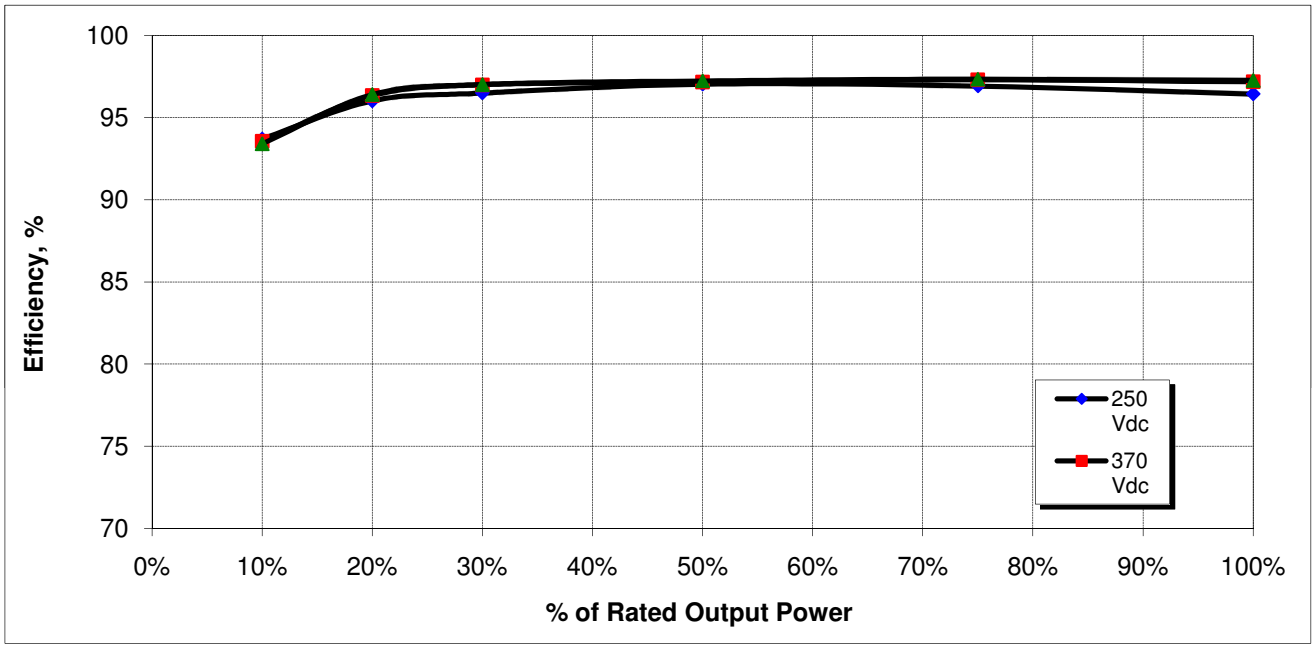
Model #: PVI-12.0-I-OUTD-x-US-480-y

Rated Maximum Continuous Output Power @25°C: 12.0 kW Night Tare Loss: 0.4 W
Rated Maximum Continuous Output Power @40°C: 12.0 kW Night Tare Loss: 0.4 W

Vmin: 250 Vdc Vnom: 370 Vdc Vmax: 416 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		1.20	2.40	3.60	6.00	9.00	12.00	Wtd
Vmin	250	93.7	96.0	96.5	97.0	96.9	96.4	96.7
Vnom	370	93.6	96.3	97.0	97.2	97.3	97.2	97.0
Vmax	416	93.4	96.4	97.0	97.2	97.3	97.3	97.1

CEC Efficiency = 97.0%



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	1187.7	251.3	93.69	1187.6	251.3	93.69	1188.4	251.2	93.71	1188.4	251.3	93.70	1188.3	251.3	93.70
20%	Vmin	2318.5	251.3	96.03	2318.4	251.3	96.02	2318.5	251.3	96.03	2318.9	251.3	96.03	2318.1	251.3	96.03
30%	Vmin	3895.1	250.9	96.51	3895.0	250.9	96.51	3895.1	250.9	96.51	3894.5	250.9	96.51	3894.2	250.9	96.50
50%	Vmin	6581.1	251.9	97.05	6580.6	251.9	97.05	6580.9	251.9	97.05	6580.9	251.9	97.05	6580.8	251.9	97.05
75%	Vmin	8409.7	251.7	96.93	8409.6	251.8	96.93	8409.8	251.7	96.93	8409.8	251.7	96.94	8409.0	251.7	96.93
100%	Vmin	11404.7	250.6	96.44	11404.4	250.6	96.44	11404.4	250.6	96.44	11405.1	250.6	96.44	11403.7	250.6	96.44
10%	Vnom	1196.9	374.0	93.56	1196.5	374.0	93.58	1196.4	374.0	93.55	1197.2	374.0	93.57	1196.8	374.0	93.54
20%	Vnom	2635.2	374.0	96.34	2636.0	374.0	96.34	2635.6	374.0	96.35	2635.4	374.0	96.34	2635.7	374.0	96.35
30%	Vnom	3852.9	373.9	97.00	3853.1	373.9	97.00	3853.0	373.9	97.02	3852.8	373.9	97.01	3852.9	373.9	97.00
50%	Vnom	5407.6	374.4	97.18	5408.2	374.4	97.17	5407.3	374.4	97.16	5407.5	374.4	97.17	5408.1	374.4	97.18
75%	Vnom	9023.0	374.0	97.31	9022.9	374.0	97.30	9022.9	374.0	97.31	9022.9	374.0	97.31	9022.8	374.0	97.31
100%	Vnom	11413.6	373.9	97.18	11413.6	373.9	97.19	11413.3	373.9	97.18	11413.3	373.9	97.18	11413.1	373.9	97.18
10%	Vmax	1196.2	415.8	93.41	1197.2	415.8	93.41	1197.1	415.9	93.43	1196.4	415.9	93.44	1196.3	415.9	93.42
20%	Vmax	2638.3	415.8	96.42	2639.0	415.8	96.41	2639.1	415.8	96.41	2639.1	415.8	96.40	2638.7	415.8	96.41
30%	Vmax	3894.7	416.2	97.03	3893.9	416.2	97.02	3894.1	416.2	97.03	3894.8	416.2	97.03	3895.1	416.2	97.03
50%	Vmax	5415.3	416.1	97.24	5415.4	416.1	97.25	5415.5	416.1	97.25	5415.4	416.1	97.24	5415.5	416.1	97.24
75%	Vmax	9031.3	416.1	97.35	9031.0	416.1	97.35	9030.7	416.1	97.35	9031.0	416.1	97.35	9030.7	416.1	97.35
100%	Vmax	11406.2	415.2	97.27	11406.0	415.1	97.27	11405.4	415.2	97.26	11405.6	415.2	97.27	11405.6	415.2	97.27

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	1188.5	251.2	93.70	1188.4	251.2	93.71									
20%	Vmin	2318.2	251.3	96.02	2318.1	251.3	96.02									
30%	Vmin	3894.2	250.9	96.51	3893.5	250.9	96.50									
50%	Vmin	6580.3	251.9	97.05	6580.6	251.9	97.05									
75%	Vmin	8408.8	251.7	96.93	8409.4	251.7	96.93									
100%	Vmin	11401.2	250.6	96.44	11401.8	250.6	96.44									
10%	Vnom	1197.2	374.0	93.56	1197.1	374.0	93.54									
20%	Vnom	2636.1	374.0	96.35	2635.8	374.0	96.34									
30%	Vnom	3852.5	373.9	97.00	3852.3	373.9	97.01									
50%	Vnom	5407.6	374.4	97.17	5407.8	374.4	97.17									
75%	Vnom	9022.4	374.0	97.31	9022.4	374.0	97.31									
100%	Vnom	11413.3	373.9	97.19	11413.1	373.9	97.18									
10%	Vmax	1195.7	415.9	93.42	1196.4	415.9	93.41									
20%	Vmax	2638.1	415.8	96.41	2638.7	415.8	96.42									
30%	Vmax	3895.3	416.2	97.03	3895.8	416.2	97.03									
50%	Vmax	5415.8	416.1	97.25	5415.5	416.1	97.25									
75%	Vmax	9030.7	416.1	97.35	9031.3	416.1	97.35									
100%	Vmax	11406.2	415.2	97.27	11405.9	415.2	97.27									