Manufacturer: Power-One

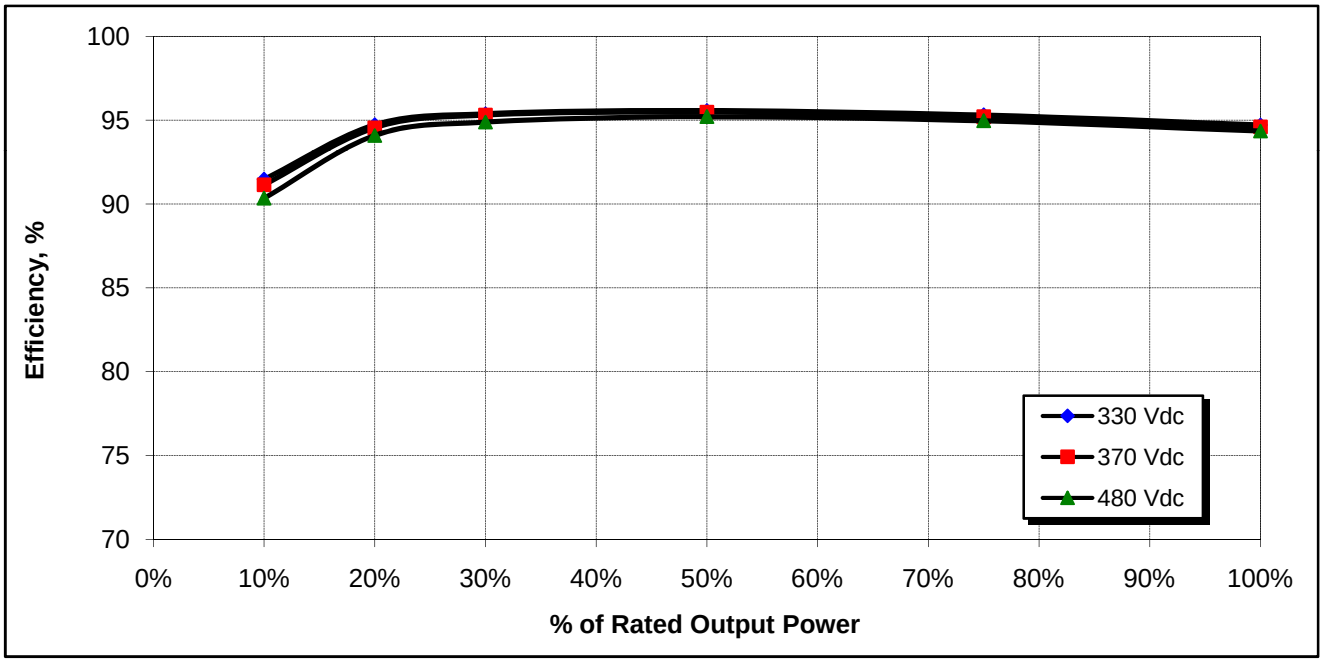
Model #: PVI-CENTRAL-100-US (208Vac)

Rated Maximum Continuous Output Power @25°C: 100 kW Night Tare Loss: 47.00 W
Rated Maximum Continuous Output Power @40°C: 100 kW Night Tare Loss: 47.00 W

Vmin: 330 Vdc Vnom: 370 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		10.00	20.00	30.00	50.00	75.00	100.00	Wtd
Vmin	330	91.5	94.7	95.4	95.6	95.3	94.7	95.2
Vnom	370	91.2	94.5	95.3	95.5	95.2	94.6	95.1
Vmax	480	90.3	94.1	94.9	95.2	95.0	94.4	94.7

CEC Efficiency = 95.0%



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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	9955.5	329.84	91.467	9957	329.7	91.470	9954	330.14	91.458	9954	330.06	91.450	9954	329.85	91.487
20%	Vmin	21932	335.56	94.722	21928	335.38	94.710	21930	335.6	94.702	21930	335.46	94.708	21931	335.14	94.715
30%	Vmin	32449	332.9	95.382	32451	333.21	95.389	32449	333.55	95.398	32451	333.09	95.409	32451	333.04	95.394
50%	Vmin	49959	332.58	95.566	49960	332.81	95.600	49959	333.06	95.595	49957	332.99	95.580	49960	332.39	95.550
75%	Vmin	70197	333.56	95.311	70195	333.16	95.290	70197	333.44	95.323	70201	332.98	95.263	70202	332.19	95.307
100%	Vmin	95440	331.71	94.723	95440	331.96	94.741	95439	332.24	94.757	95426	332.41	94.695	95440	332.64	94.748
10%	Vnom	9959	370.66	91.160	9958	371.04	91.151	9958	371.43	91.161	9959	371.16	91.141	9959	371.29	91.138
20%	Vnom	21940	371.74	94.540	21940	371.76	94.541	21939	371.68	94.539	21940	371.58	94.541	21940	371.73	94.549
30%	Vnom	32452	371.05	95.287	32460	370.72	95.308	32456	370.13	95.277	32453	372.2	95.509	32452	375.05	95.294
50%	Vnom	50041	372.67	95.481	50038	372.81	95.482	50039	371.98	95.469	50041	372.06	95.481	50040	372.49	95.487
75%	Vnom	70288	371.07	95.201	70288	371.61	95.217	70287	371.36	95.206	70294	371.02	95.202	70301	371.33	95.236
100%	Vnom	95373	373.18	94.591	60.01	373.11	94.608	95366	372.74	94.601	95367	371.8	94.589	95367	372.11	94.636
10%	Vmax	9932.8	479.25	90.350	9932	479.82	90.337	9932	479.73	90.335	9932	479.86	90.323	9933	480.21	90.336
20%	Vmax	21947	480.38	94.085	21950	480.38	94.072	21950	479.87	94.078	21951	479.88	94.095	21951	480.13	94.092
30%	Vmax	32376	481.64	94.882	32379	481.58	94.910	32379	481.86	94.898	32377	481.68	94.890	32380	481.85	94.891
50%	Vmax	50245	480.89	95.219	50237	481.26	95.207	50242	480.95	95.191	50243	481.18	95.218	50243	481.57	95.208
75%	Vmax	70635	479.62	94.959	70631	479.86	94.970	70631	479.31	94.954	70635	479.63	94.962	70637	479.99	94.958
100%	Vmax	95395	481.2	94.356	95395	481.42	94.355	95392	480.67	94.358	95394	480.62	94.342	95392	481.07	94.370

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	9956.1	329.9	91.496	9957	329.55	91.450									
20%	Vmin	21934	335.12	94.727	21931	335.01	94.730									
30%	Vmin	32448	333.15	95.393	32450	333	95.406									
50%	Vmin	49962	332.03	95.588	49955	331.94	95.574									
75%	Vmin	70196	332.2	95.319	70208	333.17	95.311									
100%	Vmin	95434	332.13	94.696	95433	331.71	94.736									
10%	Vnom	9958.8	370.96	91.152	9958	371.18	91.181									
20%	Vnom	21940	371.6	94.531	21941	371.41	94.529									
30%	Vnom	32445	374.65	95.273	32444	374.89	95.263									
50%	Vnom	50038	372.34	95.477	50043	371.98	95.488									
75%	Vnom	70290	371.68	95.217	70288	371.36	95.197									
100%	Vnom	95371	372.26	94.616	60.01	372.46	94.630									
10%	Vmax	9934.1	479.96	90.326	9934	479.91	90.371									
20%	Vmax	21951	479.96	94.101	21951	480.53	94.090									
30%	Vmax	32383	481.96	94.879	32380	482.05	94.898									
50%	Vmax	50250	481.25	95.229	50245	481.26	95.210									
75%	Vmax	70642	480.44	94.960	70638	480.24	94.983									
100%	Vmax	95392	481.62	94.408	95395	481.18	94.357									