Manufacturer: Power-One

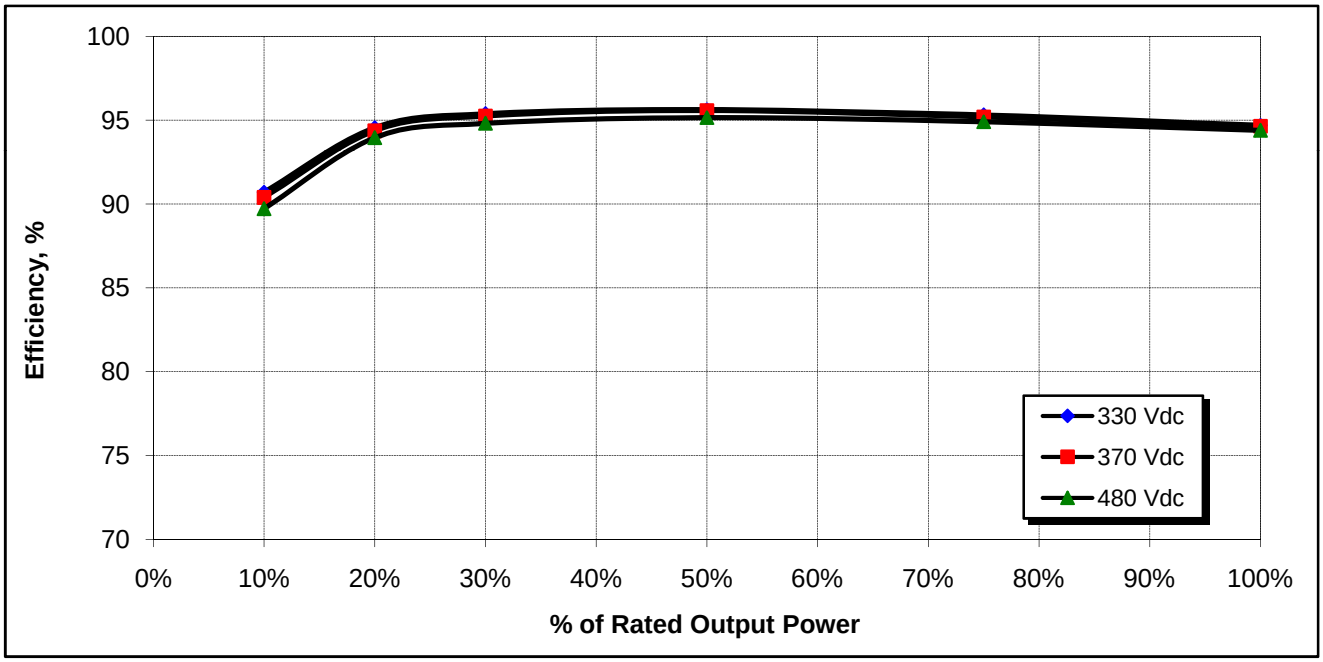
Model #: PVI-CENTRAL-50-US (208Vac)

Rated Maximum Continuous Output Power @25°C: 50 kW Night Tare Loss: 33 W
Rated Maximum Continuous Output Power @40°C: 50 kW Night Tare Loss: 33 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		5.00	10.00	15.00	25.00	37.50	50.00	Wtd
Vmin	330	90.7	94.5	95.4	95.6	95.3	94.7	95.1
Vnom	370	90.4	94.4	95.3	95.6	95.2	94.6	95.0
Vmax	480	89.7	94.0	94.8	95.2	94.9	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	4956.2	329.51	90.729	4958	329.34	90.707	4958	329.32	90.705	4957	329.32	90.714	4958	329.49	90.749
20%	Vmin	10953	331.62	94.528	10953	331.64	94.551	10954	331.51	94.531	10953	331.72	94.542	10953	331.94	94.535
30%	Vmin	16211	332.58	95.352	16212	333.05	95.383	16210	332.95	95.372	16213	332.79	95.368	16214	332.34	95.407
50%	Vmin	25242	332.77	95.628	25244	333.04	95.651	25244	333.01	95.624	25244	332.68	95.632	25244	332.67	95.629
75%	Vmin	35080	332.69	95.314	35083	332.26	95.296	35079	331.95	95.305	35074	332.13	95.306	35078	331.95	95.299
100%	Vmin	47552	332.56	94.699	47551	332.88	94.702	47554	333.01	94.712	47558	332.99	94.718	47555	332.95	94.709
10%	Vnom	4932.3	372.16	90.344	4933	372.45	90.354	4933	372.02	90.395	4935	371.64	90.432	4934	371.84	90.414
20%	Vnom	10926	371.04	94.385	10925	371.2	94.386	10924	371.22	94.385	10924	371.27	94.345	10924	371.34	94.351
30%	Vnom	16200	372.49	95.262	16198	372.85	95.288	16199	372.91	95.243	16200	372.79	95.233	16200	372.54	95.243
50%	Vnom	25284	371.45	95.562	25286	371.83	95.566	25289	371.92	95.611	25292	371.75	95.596	25290	371.63	95.575
75%	Vnom	35070	371.95	95.213	35073	371.99	95.198	35071	372.06	95.192	35072	372.09	95.196	35072	371.58	95.191
100%	Vnom	47606	373.25	94.608	60.01	373.2	94.653	47605	373.14	94.635	47604	373.37	94.663	47605	372.68	94.633
10%	Vmax	4964	479.59	89.672	4965	479.06	89.747	4964	479.41	89.683	4966	479.6	89.664	4967	478.69	89.759
20%	Vmax	10934	479.45	93.921	10934	479.45	93.921	10935	479.23	93.976	10934	479.42	93.959	10934	479.42	93.955
30%	Vmax	16195	479.76	94.805	16195	479.07	94.806	16194	479.6	94.803	16195	479.43	94.799	16193	479.83	94.816
50%	Vmax	27407	479.05	95.187	27404	478.51	95.153	27402	478.41	95.149	27402	478.82	95.166	27409	478.98	95.181
75%	Vmax	35121	482.74	94.900	35124	482.3	94.912	35130	482.01	94.912	35128	481.89	94.930	35126	482.36	94.913
100%	Vmax	47599	482.89	94.391	47601	482.71	94.398	47601	482.78	94.381	47601	482.23	94.390	47600	482.38	94.380

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	4956.1	329.92	90.721	4957	329.38	90.705									
20%	Vmin	10954	331.76	94.560	10952	331.79	94.518									
30%	Vmin	16213	332.26	95.394	16210	332.29	95.408									
50%	Vmin	25241	333	95.641	25244	332.9	95.657									
75%	Vmin	35077	332.01	95.285	35081	332.14	95.329									
100%	Vmin	47553	332.72	94.691	47560	332.85	94.729									
10%	Vnom	4934.8	371.94	90.414	4934	371.64	90.415									
20%	Vnom	10926	371.1	94.359	10925	371.31	94.358									
30%	Vnom	16201	372.84	95.272	16200	372.71	95.269									
50%	Vnom	25282	371.29	95.567	25283	371.3	95.563									
75%	Vnom	35070	372.31	95.196	35064	372.41	95.184									
100%	Vnom	47599	372.27	94.667	60.01	372.9	94.660									
10%	Vmax	4965.5	479.1	89.695	4967	479.39	89.752									
20%	Vmax	10935	479.43	93.948	10936	479.98	93.974									
30%	Vmax	16195	479.25	94.840	16195	479.27	94.816									
50%	Vmax	27404	478.74	95.164	27403	478.42	95.163									
75%	Vmax	35124	482.21	94.915	35124	482.52	94.895									
100%	Vmax	47601	483.03	94.389	47594	483.16	94.397									