Manufacturer: Power-One

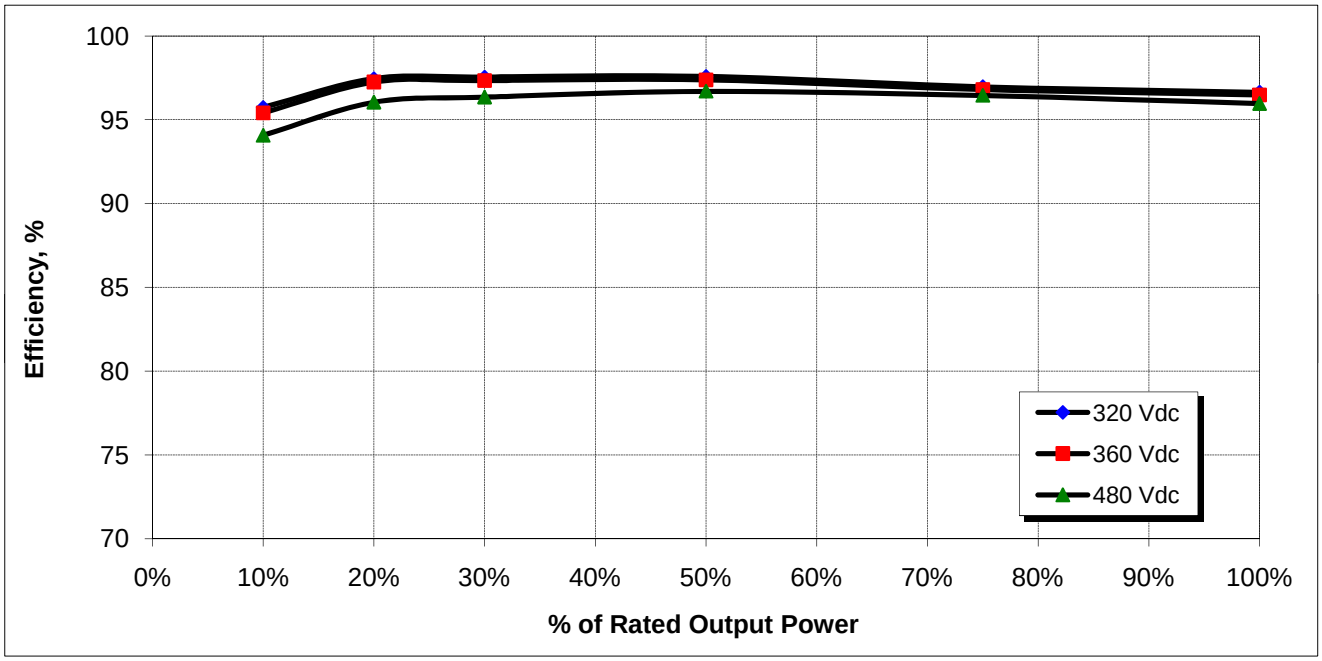
Model #: PVI-CENTRAL-250-US

Rated Maximum Continuous Output Power @25°C: 250.0 kW Night Tare Loss: -105.3 W
Rated Maximum Continuous Output Power @40°C: 250.0 kW Night Tare Loss: -105.3 W

Vmin: 320 Vdc Vnom: 360 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		25.00	50.00	75.00	125.00	187.50	250.00	Wtd
Vmin	320	95.7	97.5	97.5	97.6	97.0	96.6	97.1
Vnom	360	95.4	97.2	97.3	97.4	96.8	96.5	96.9
Vmax	480	94.1	96.0	96.3	96.7	96.5	96.0	96.3

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	24606.67	320.99	95.558	24614	320.79	95.776	24614.3	320.82	95.755	24624.94	320.44	95.775	24616	320.73	95.787
20%	Vmin	54755.37	320.26	97.451	54749.9	320.38	97.445	54750.1	320.32	97.451	54757.71	320.45	97.460	54754.9	320.68	97.450
30%	Vmin	80883.48	320.93	97.560	80887	320.67	97.472	80889.6	320.72	97.561	80885.46	321	97.559	80881.8	320.61	97.561
50%	Vmin	112509.8	320.93	97.572	112510	320.67	97.578	112507	320.47	97.582	112509.1	320.83	97.583	112508	320.73	97.586
75%	Vmin	199637.4	320.6	96.964	199693	320.98	96.967	199782	320.37	96.968	199738	320.42	96.967	199860	320.05	96.961
100%	Vmin	237838.3	320.44	96.643	237827	320.43	96.637	237836	320.55	96.639	237841.2	320.55	96.638	237852	320.77	96.642
10%	Vnom	24762.48	360.63	95.474	24760.9	360.59	95.407	24755.7	360.37	95.393	24755.83	360.19	95.400	24746.1	360.6	95.339
20%	Vnom	54940	360.35	97.255	54936	360.41	97.244	54939.3	360.42	97.258	54929.88	360.56	97.241	54936.6	360.73	97.252
30%	Vnom	81018.28	360.07	97.333	81018.3	360.43	97.328	81021	360.43	97.347	81019.68	360.11	97.318	81024.1	360.51	97.343
50%	Vnom	112803.5	360.6	97.381	112806	360.66	97.366	112800	360.67	97.361	112807.9	360.89	97.378	112805	360.44	97.386
75%	Vnom	199353.4	360.17	96.810	199549	360.29	96.805	199945	359.87	96.802	199958.1	360.38	96.799	199951	360.38	96.806
100%	Vnom	238450.5	360.47	96.471	238455	360.58	96.485	238432	359.94	96.473	238437.7	360.26	96.470	238432	359.75	96.477
10%	Vmax	24457.29	480.66	94.058	24460.4	480.57	94.043	24463.4	480.49	94.063	24453.54	480.29	94.053	24469.5	480.61	94.109
20%	Vmax	54806.19	480.73	96.060	54812.9	480.72	96.051	54807.7	480.84	96.022	54806.78	480.79	96.024	54808.4	480.42	96.027
30%	Vmax	80954.75	480.52	96.353	80956.6	480.87	96.368	80955.8	481.21	96.334	80954.09	480.97	96.345	80959.9	480.95	96.344
50%	Vmax	112741.3	479.74	96.695	112750	480.66	96.697	112739	479.79	96.693	112745.3	480.12	96.695	112756	480.64	96.702
75%	Vmax	175328.4	480.37	96.449	175327	479.98	96.454	175329	479.88	96.451	175335.3	480.31	96.453	175327	480.02	96.450
100%	Vmax	238107.4	480.46	95.964	237927	480.59	95.962	237931	480.89	95.965	237925.5	480.79	95.963	237934	481.09	95.966

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	24612.65	320.84	95.768	24608.9	320.96	95.725									
20%	Vmin	54761.92	320.52	97.464	54755.9	320.39	97.460									
30%	Vmin	80881.22	320.11	97.566	80886.8	320.78	97.559									
50%	Vmin	112509.2	320.73	97.595	112514	320.68	97.589									
75%	Vmin	199854.5	320.35	96.958	199857	320.55	96.960									
100%	Vmin	237847	320.84	96.639	237850	320.75	96.640									
10%	Vnom	24758.47	360.62	95.411	24753.7	360.79	95.424									
20%	Vnom	54933.48	360.75	97.246	54935.3	360.88	97.249									
30%	Vnom	81025.34	360.85	97.347	81023.6	360.02	97.344									
50%	Vnom	112805.8	360.65	97.381	112811	360.64	97.389									
75%	Vnom	199957.3	360.3	96.804	199948	360.18	96.796									
100%	Vnom	238446.7	360.68	96.483	238451	360.72	96.470									
10%	Vmax	24460.9	479.89	94.113	24469.5	480.12	94.078									
20%	Vmax	54808.82	480.56	96.065	54806	480.57	96.056									
30%	Vmax	80954.82	480.84	96.348	80952.3	480.75	96.353									
50%	Vmax	112747.2	479.87	96.694	112756	480.5	96.692									
75%	Vmax	175325.7	480.24	96.448	175327	479.95	96.448									
100%	Vmax	237918	480.89	95.962	237923	480.63	95.964									