Manufacturer: Satcon Power Systems

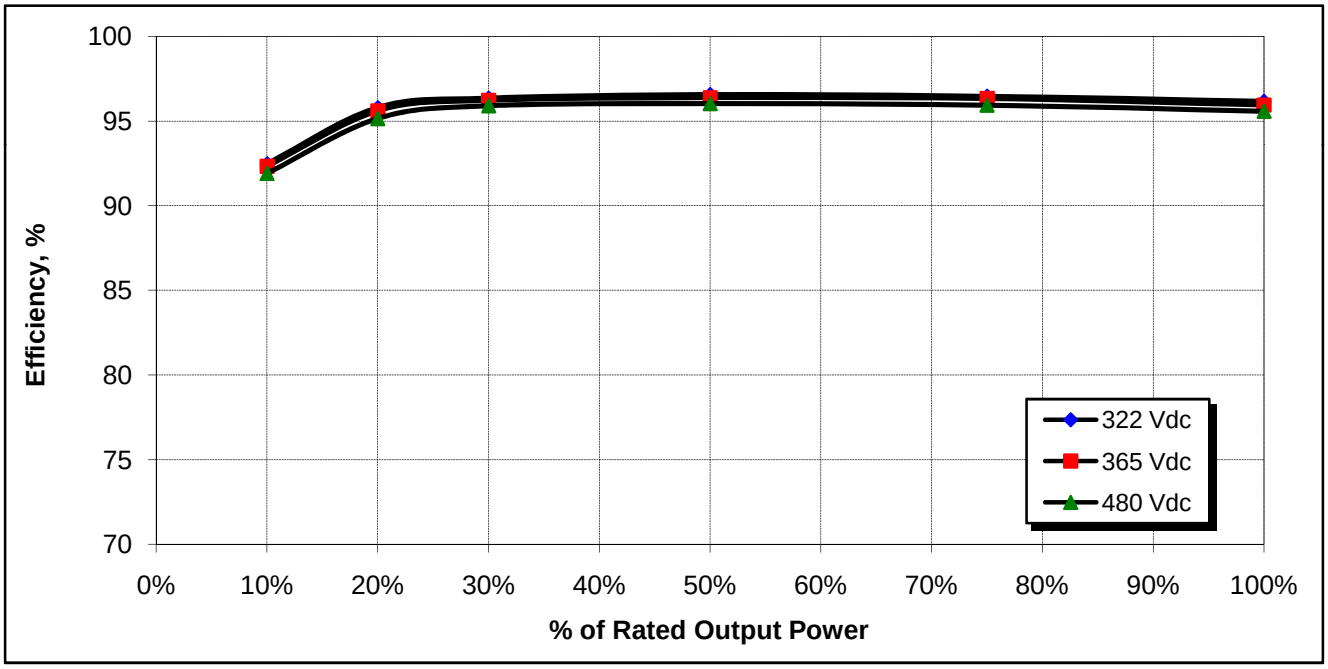
Model #: PVS-250 (240Vac)

Rated Maximum Continuous Output Power @25°C: 250 kW Night Tare Loss: 100.00 W
Rated Maximum Continuous Output Power @40°C: 250 kW Night Tare Loss: 100.00 W

Vmin: 322 Vdc Vnom: 365 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	322	92.5	95.8	96.4	96.6	96.5	96.2	96.3
Vnom	365	92.3	95.6	96.2	96.4	96.3	96.0	96.1
Vmax	480	91.9	95.1	95.9	96.0	95.9	95.6	95.7

CEC Efficiency = 96.0%



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	22695	320.23	92.48	22692	320.25	92.53	22702	319.24	92.37	22650	318.28	92.41	22739	318.60	92.52
20%	Vmin	52984	321.82	95.89	53079	322.13	95.86	53047	322.13	95.67	52847	322.17	95.75	52612	322.16	95.93
30%	Vmin	80697	326.09	96.39	80708	326.13	96.44	80694	325.82	96.34	80649	325.17	96.32	80726	324.13	96.29
50%	Vmin	129287	325.00	96.54	128076	325.03	96.55	125471	325.04	96.53	136032	325.96	96.59	136127	326.00	96.56
75%	Vmin	176396	326.89	96.45	176311	326.20	96.45	176148	325.52	96.45	176240	325.54	96.50	176512	325.86	96.47
100%	Vmin	239589	327.74	96.18	239207	327.71	96.20	239602	327.70	96.13	239440	327.72	96.17	239257	327.70	96.17
10%	Vnom	22794	365.71	92.40	22774	365.75	92.20	22777	365.68	92.35	22776	365.71	92.34	22790	365.74	92.28
20%	Vnom	53019	365.59	95.65	53009	365.64	95.64	53019	365.66	95.57	53086	365.61	95.57	53076	365.67	95.64
30%	Vnom	80755	365.62	96.14	80802	365.59	96.22	80748	365.59	96.31	80805	365.57	96.24	80783	365.58	96.21
50%	Vnom	136215	365.47	96.40	136201	365.45	96.42	136249	365.45	96.37	136249	365.44	96.39	136219	365.46	96.36
75%	Vnom	176465	365.33	96.37	176544	365.38	96.38	176524	365.37	96.35	176493	365.38	96.31	176487	365.37	96.31
100%	Vnom	239434	365.20	95.97	239475	365.21	95.97	239368	365.20	95.92	239410	365.20	95.94	239463	365.20	96.00
10%	Vmax	22955	475.70	91.78	22957	475.71	92.03	22954	475.72	92.05	22963	475.70	92.08	22951	475.71	91.92
20%	Vmax	53232	475.67	95.13	53202	475.61	95.06	53254	475.70	95.17	53234	475.62	95.23	53224	475.71	95.20
30%	Vmax	80958	475.55	95.94	80967	475.58	95.92	80969	475.61	95.86	80969	475.60	95.80	80966	475.57	95.87
50%	Vmax	136429	475.22	96.03	136420	475.31	96.03	136419	475.40	96.01	136459	475.38	96.07	136450	475.52	96.02
75%	Vmax	176709	475.35	95.92	176641	475.42	95.94	176690	475.36	95.93	176722	475.39	95.93	176662	475.39	95.91
100%	Vmax	239678	475.20	95.57	239689	475.31	95.57	239722	475.26	95.58	239703	475.26	95.59	239679	475.27	95.56

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	22642	319.25	92.47	22590	319.22	92.56									
20%	Vmin	52949	322.17	95.79	52747	322.18	95.67									
30%	Vmin	80711	323.76	96.36	80170	322.45	96.34									
50%	Vmin	135807	325.97	96.56	135317	325.99	96.60									
75%	Vmin	176817	325.82	96.46	176242	325.88	96.48									
100%	Vmin	239545	327.73	96.13	239271	327.73	96.14									
10%	Vnom	22773	365.73	92.45	22739	365.74	92.32									
20%	Vnom	53117	365.65	95.56	53066	365.66	95.59									
30%	Vnom	80792	365.57	96.26	80795	365.58	96.25									
50%	Vnom	136235	365.47	96.38	136258	365.47	96.37									
75%	Vnom	176489	365.28	96.32	176467	365.24	96.34									
100%	Vnom	239370	365.23	95.96	239343	365.23	95.93									
10%	Vmax	22930	475.67	91.79	22938	475.67	91.75									
20%	Vmax	53231	475.71	95.11	53228	475.66	95.12									
30%	Vmax	80954	475.62	95.92	80947	475.64	96.00									
50%	Vmax	136461	475.49	96.00	136492	475.53	96.05									
75%	Vmax	176706	475.44	95.96	176739	475.38	95.97									
100%	Vmax	239674	475.31	95.60	239650	475.27	95.59									