Manufacturer: Satcon Power Systems

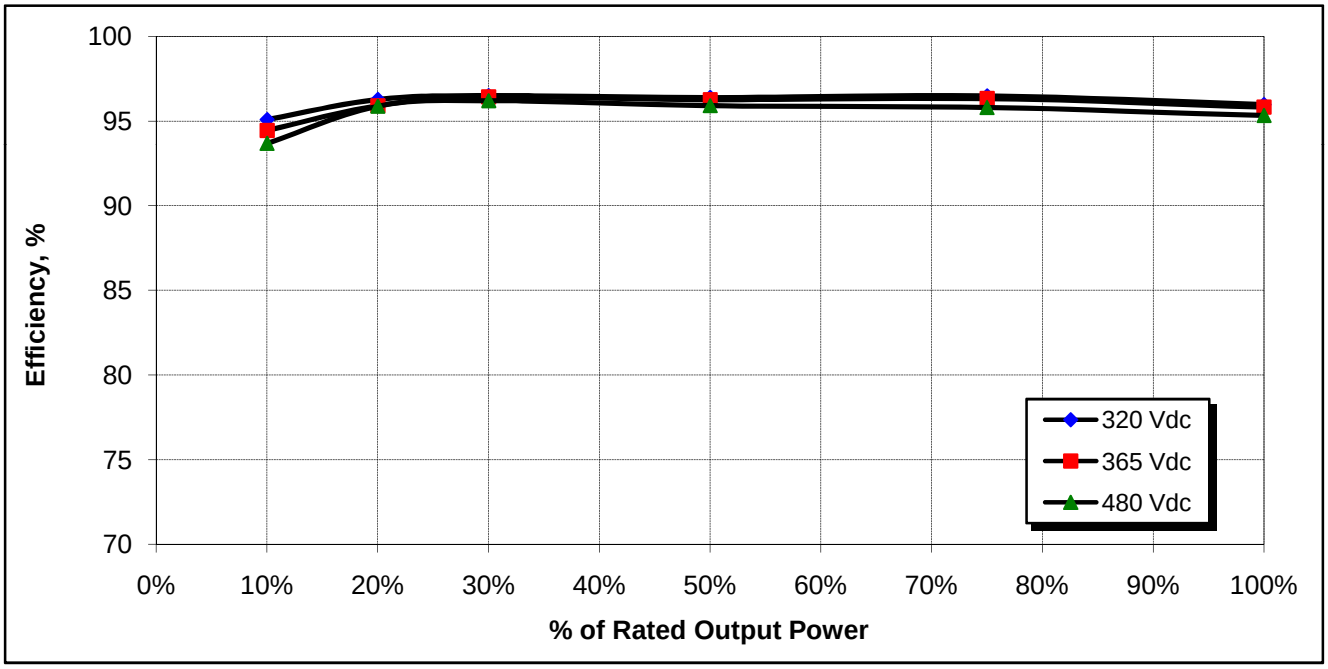
Model #: PVS-250 (208Vac)

Rated Maximum Continuous Output Power @25°C: 250 kW Night Tare Loss: 105.11 W
Rated Maximum Continuous Output Power @40°C: 250 kW Night Tare Loss: 105.11 W

Vmin: 320 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	320	95.1	96.3	96.5	96.4	96.5	96.0	96.4
Vnom	365	94.4	95.9	96.4	96.3	96.3	95.8	96.2
Vmax	480	93.7	95.9	96.2	95.9	95.8	95.3	95.8

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	22778	325.41	95.06	22809	325.38	95.27	22760	325.40	95.07	22782	325.39	95.06	22768	325.39	95.08
20%	Vmin	53020	325.26	96.13	53028	325.25	96.22	53003	325.24	96.21	53067	325.27	96.25	53042	325.25	96.39
30%	Vmin	78327	326.12	96.50	78303	326.17	96.55	78315	326.12	96.59	78310	326.17	96.55	78314	326.16	96.53
50%	Vmin	136217	325.99	96.39	136271	326.00	96.38	136270	326.01	96.35	136253	325.99	96.37	136257	326.00	96.45
75%	Vmin	176642	325.87	96.50	176559	325.83	96.52	176595	325.89	96.53	176603	325.83	96.50	176593	325.83	96.47
100%	Vmin	239414	325.78	95.99	239488	325.70	95.95	239709	325.64	95.98	239637	325.78	96.02	239544	325.88	95.95
10%	Vnom	22812	365.76	94.46	22792	365.74	94.75	22783	365.73	94.41	22785	365.74	94.25	22791	365.73	94.43
20%	Vnom	53100	365.63	95.81	53131	365.64	95.85	53139	365.64	95.79	53110	365.63	95.95	53081	365.65	96.00
30%	Vnom	78420	365.59	96.47	78386	365.60	96.49	78370	365.57	96.41	78392	365.58	96.44	78358	365.58	96.41
50%	Vnom	136472	365.41	96.25	136460	365.49	96.29	136444	365.40	96.28	136421	365.46	96.27	136360	365.42	96.28
75%	Vnom	176760	365.34	96.35	176770	365.38	96.33	176732	365.37	96.30	176740	365.36	96.37	176736	365.34	96.32
100%	Vnom	239635	365.16	95.79	239691	365.55	95.84	239661	365.60	95.84	239587	365.61	95.82	239610	365.58	95.82
10%	Vmax	22948	474.75	93.37	23006	474.75	93.30	22884	474.79	93.37	22917	474.76	93.54	22822	474.76	93.60
20%	Vmax	53299	475.70	95.91	53281	475.68	96.00	53319	475.73	95.96	53318	475.67	95.86	53340	475.67	95.76
30%	Vmax	78519	475.60	96.22	78497	475.58	96.24	78477	475.66	96.14	78573	475.66	96.29	78504	475.65	96.16
50%	Vmax	136604	475.61	95.94	136618	475.60	95.94	136586	475.63	95.90	136611	475.56	95.90	136639	475.65	95.89
75%	Vmax	176948	475.47	95.85	176990	475.49	95.80	176919	475.52	95.78	176975	475.50	95.87	176995	475.48	95.81
100%	Vmax	240035	475.35	95.33	240007	475.42	95.32	240019	475.44	95.30	239985	475.39	95.32	239977	475.36	95.35

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	22800	325.40	95.21	22800	325.37	94.90									
20%	Vmin	53076	325.27	96.39	53101	325.26	96.37									
30%	Vmin	78311	326.15	96.44	78307	326.12	96.43									
50%	Vmin	136250	325.95	96.42	136274	326.00	96.42									
75%	Vmin	176584	325.80	96.49	176630	325.93	96.49									
100%	Vmin	239279	325.86	95.98	239477	325.84	96.00									
10%	Vnom	22764	365.78	94.35	22759	365.75	94.43									
20%	Vnom	53096	365.63	95.97	53085	365.63	96.00									
30%	Vnom	78369	365.57	96.41	78377	365.59	96.40									
50%	Vnom	136414	365.45	96.25	136400	365.47	96.27									
75%	Vnom	176713	365.39	96.29	176771	365.35	96.34									
100%	Vnom	239693	365.59	95.83	239626	365.63	95.81									
10%	Vmax	22841	474.74	94.11	22852	474.82	94.48									
20%	Vmax	53292	475.67	95.77	53321	475.68	95.87									
30%	Vmax	78572	475.56	96.25	78565	475.62	96.19									
50%	Vmax	136614	475.45	95.91	136664	475.56	95.92									
75%	Vmax	176931	475.41	95.75	176946	475.49	95.78									
100%	Vmax	239956	475.41	95.36	239977	475.43	95.34									