Manufacturer: SatCon Power Systems

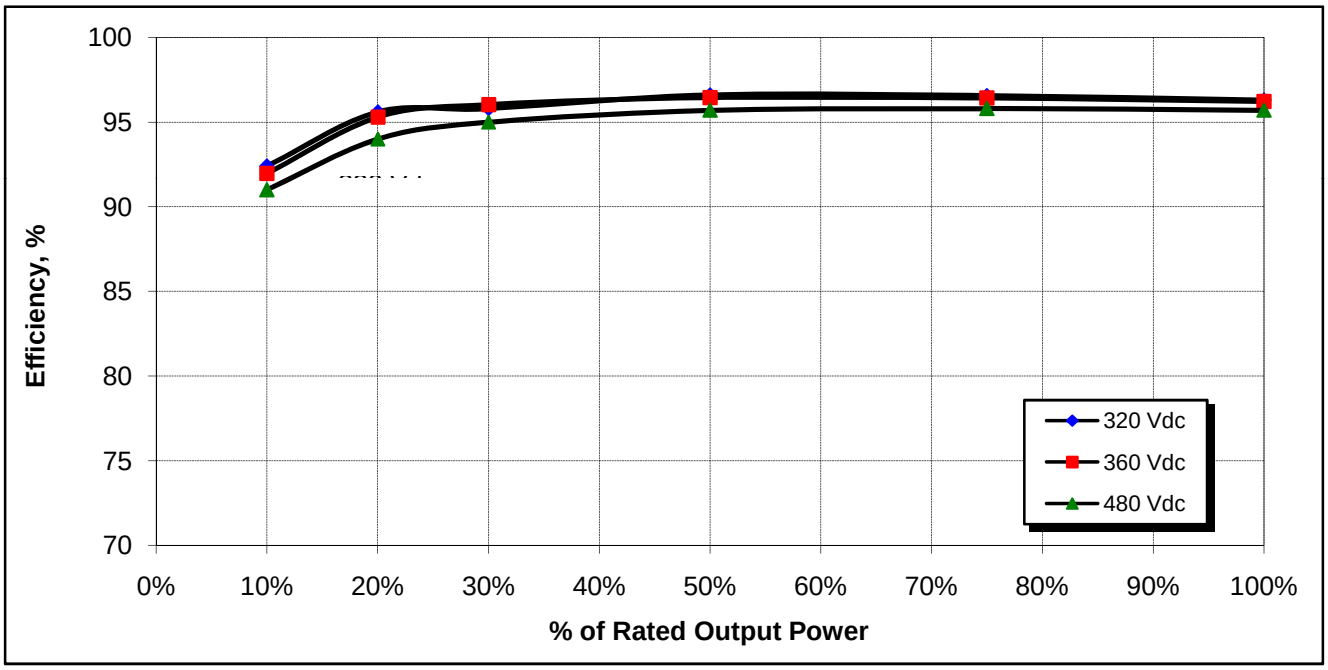
Model #: PVS-135 (240 V)

Rated Maximum Continuous Output Power: 135.00 kW Night Tare Loss: 63.70 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		13.50	27.00	40.50	67.50	101.25	135.00	Wtd
Vmin	320	92.4	95.6	95.8	96.6	96.6	96.3	96.3
Vnom	360	92.0	95.3	96.0	96.4	96.4	96.2	96.1
Vmax	480	91.0	94.0	95.0	95.7	95.8	95.7	95.4

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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	12333	324.14	92.460	12319	324.17	92.291	12308	324.13	92.379	12343	324.13	92.457	12332	324.11	92.393
20%	Vmin	28903	323.98	95.634	28891	324.13	95.551	28882	324.12	95.563	28848	323.91	95.634	28892	323.99	95.641
30%	Vmin	42619	323.96	96.209	42612	323.99	96.173	42624	324	96.161	42622	323.84	96.160	42605	323.95	96.172
50%	Vmin	72896	323.99	96.601	72891	324.01	96.584	72901	323.99	96.590	72876	323.97	96.622	72916	323.95	96.593
75%	Vmin	97799	324.78	96.589	97762	324.71	96.557	97703	324.72	96.525	97752	324.73	96.592	97702	324.73	96.547
100%	Vmin	129560	324.54	96.321	1E+05	324.59	96.280	1E+05	324.6	96.293	1E+05	324.57	96.312	1E+05	324.58	96.278
10%	Vnom	12424	362.43	91.945	12406	362.51	92.006	12398	362.43	92.054	12409	362.46	91.844	12423	362.49	91.971
20%	Vnom	28921	362.39	95.337	28906	362.44	95.342	28909	362.45	95.228	28879	362.46	95.307	28934	362.41	95.318
30%	Vnom	42658	362.32	96.087	42686	362.22	96.059	42635	362.33	96.024	42650	362.32	96.012	42654	362.27	95.963
50%	Vnom	72973	362.21	96.465	72941	362.25	96.438	72979	362.3	96.472	72964	362.3	96.432	72962	362.21	96.450
75%	Vnom	97768	362.18	96.439	97780	362.18	96.449	97718	362.16	96.391	97785	362.1	96.428	97743	362.16	96.409
100%	Vnom	129594	362.03	96.225	60	362.07	96.203	1E+05	362.02	96.197	1E+05	362.06	96.238	1E+05	361.98	96.198
10%	Vmax	12540	476.44	90.676	12541	476.44	90.695	12548	476.45	90.633	12539	476.46	90.715	12545	476.38	90.781
20%	Vmax	29027	476.49	94.597	29031	476.44	94.637	28963	476.39	94.586	28976	476.48	94.534	29012	476.43	94.551
30%	Vmax	42712	476.38	95.426	42718	476.38	95.420	42757	476.35	95.437	42700	476.3	95.382	42715	476.36	95.366
50%	Vmax	73082	476.27	96.054	73039	476.2	96.082	73022	476.3	95.981	73059	476.26	96.082	73019	476.19	96.035
75%	Vmax	97879	476.18	96.054	97871	476.14	95.993	97898	476.15	96.016	97860	476.19	96.037	97843	476.18	95.962
100%	Vmax	129744	476.01	95.888	1E+05	476.05	95.867	1E+05	476.1	95.833	1E+05	476	95.865	1E+05	476.13	95.867

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	12329	324.15	92.423	12316	324.14	92.418									
20%	Vmin	28906	324.14	95.594	28883	324.08	95.627									
30%	Vmin	42642	324.01	96.208	42650	324.2	96.178									
50%	Vmin	72920	323.96	96.627	72923	323.93	96.613									
75%	Vmin	97686	324.67	96.583	97781	324.77	96.592									
100%	Vmin	129491	324.58	96.300	1E+05	324.67	96.322									
10%	Vnom	12452	362.47	92.005	12449	362.51	91.990									
20%	Vnom	28915	362.41	95.294	28919	362.45	95.257									
30%	Vnom	42627	362.37	96.063	42649	362.45	96.029									
50%	Vnom	72937	362.25	96.420	72966	362.23	96.457									
75%	Vnom	97752	362.19	96.410	97776	362.16	96.453									
100%	Vnom	129601	362.01	96.219	60	362.07	96.241									
10%	Vmax	12548	476.42	90.690	12531	476.38	90.566									
20%	Vmax	28975	476.34	94.530	28994	476.38	94.632									
30%	Vmax	42759	476.38	95.419	42712	476.39	95.445									
50%	Vmax	73047	476.16	96.066	73059	476.2	96.048									
75%	Vmax	97882	476.22	96.027	97842	476.22	96.021									
100%	Vmax	129712	476	95.863	1E+05	476.07	95.864									