Manufacturer: SatCon Power Systems

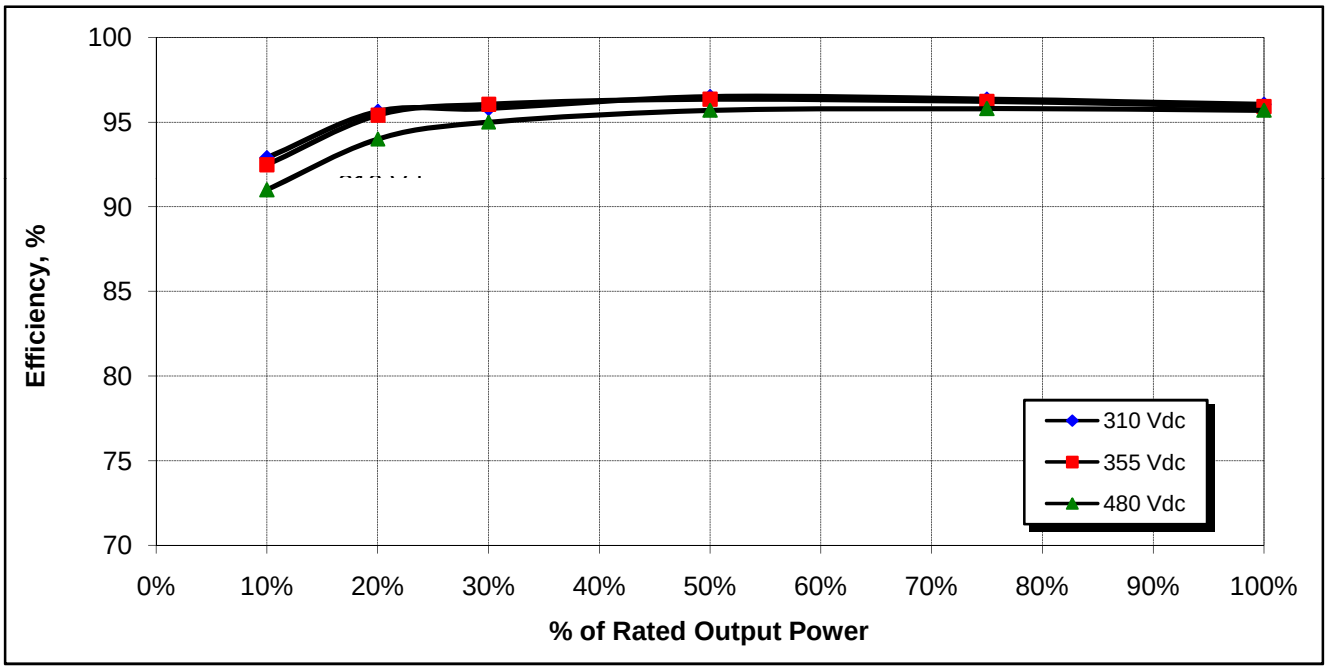
Model #: PVS-135 (208 V)

Rated Maximum Continuous Output Power: 135.00 kW Night Tare Loss: 63.12 W

Vmin: 310 Vdc Vnom: 355 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	310	92.9	95.6	95.8	96.5	96.4	96.1	96.1
Vnom	355	92.5	95.4	96.1	96.4	96.2	95.9	96.0
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	12338	317.15	92.894	12368	317.14	92.926	12330	317.14	92.793	12336	317.13	92.873	12345	317.14	92.898
20%	Vmin	27562	317.11	95.659	27558	317.1	95.613	27529	317.08	95.664	27584	317.13	95.674	27549	317.12	95.607
30%	Vmin	42650	316.99	96.300	42662	316.99	96.338	42659	316.94	96.297	42671	316.91	96.345	42684	316.94	96.263
50%	Vmin	72956	316.81	96.565	72948	316.79	96.493	72960	316.83	96.530	72946	316.84	96.478	72959	316.82	96.505
75%	Vmin	103286	316.62	96.392	1E+05	316.66	96.362	1E+05	316.66	96.339	1E+05	316.65	96.375	1E+05	316.66	96.333
100%	Vmin	132209	317.5	96.070	1E+05	317.5	96.029	1E+05	317.48	96.038	1E+05	317.51	96.067	1E+05	317.5	96.039
10%	Vnom	12374	357.39	92.571	12396	357.44	92.476	12398	357.47	92.426	12369	357.36	92.517	12392	357.47	92.451
20%	Vnom	27596	357.5	95.451	27533	357.49	95.324	27559	357.5	95.389	27527	357.49	95.370	27533	357.47	95.418
30%	Vnom	42725	357.4	96.061	42709	357.42	96.050	42702	357.41	96.068	42696	357.42	96.030	42689	357.44	96.046
50%	Vnom	73009	357.2	96.384	73026	357.29	96.361	73011	357.28	96.324	73040	357.28	96.365	73019	357.22	96.333
75%	Vnom	103345	357.07	96.250	1E+05	357.06	96.218	1E+05	357.19	96.171	1E+05	357.09	96.223	1E+05	357.09	96.187
100%	Vnom	132358	357.09	95.943	60.01	357.05	95.905	1E+05	357.22	95.908	1E+05	357.1	95.932	1E+05	357.03	95.903
10%	Vmax	12502	476.4	90.989	12467	476.42	90.987	12452	476.44	90.959	12478	476.45	90.871	12458	476.49	90.875
20%	Vmax	27673	476.43	94.675	27663	476.36	94.542	27650	476.48	94.525	27649	476.44	94.469	27698	476.37	94.554
30%	Vmax	42752	476.34	95.522	42752	476.25	95.384	42784	476.34	95.501	42770	476.38	95.506	42788	476.36	95.446
50%	Vmax	73141	476.3	95.857	73129	476.28	95.897	73119	476.21	95.870	73145	476.28	95.924	73104	476.27	95.885
75%	Vmax	103441	476.25	95.824	1E+05	476.22	95.841	1E+05	476.18	95.772	1E+05	476.13	95.836	1E+05	476.18	95.836
100%	Vmax	132469	476.17	95.574	1E+05	476.23	95.581	1E+05	476	95.559	1E+05	476.13	95.553	1E+05	476.1	95.563

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	12326	317.22	92.968	12356	317.18	92.915									
20%	Vmin	27538	317.1	95.665	27540	317.16	95.606									
30%	Vmin	42698	316.91	96.281	42680	316.96	96.240									
50%	Vmin	72940	316.84	96.528	72979	316.81	96.502									
75%	Vmin	103257	316.72	96.331	1E+05	316.66	96.368									
100%	Vmin	131219	317.53	96.060	1E+05	317.48	96.102									
10%	Vnom	12388	357.49	92.497	12356	357.46	92.409									
20%	Vnom	27582	357.42	95.427	27535	357.46	95.449									
30%	Vnom	42700	357.39	96.087	42714	357.5	96.044									
50%	Vnom	73018	357.28	96.370	73031	357.33	96.355									
75%	Vnom	103285	357.09	96.234	1E+05	357.13	96.238									
100%	Vnom	132331	356.92	95.903	60.01	357.12	95.946									
10%	Vmax	12457	476.42	91.002	12466	476.38	90.977									
20%	Vmax	27674	476.4	94.628	27654	476.41	94.611									
30%	Vmax	42801	476.45	95.460	42776	476.42	95.444									
50%	Vmax	73128	476.28	95.942	73141	476.27	95.913									
75%	Vmax	103441	476.17	95.806	1E+05	476.21	95.815									
100%	Vmax	132518	476.16	95.580	1E+05	476.08	95.562									