Manufacturer: SatCon Power Systems

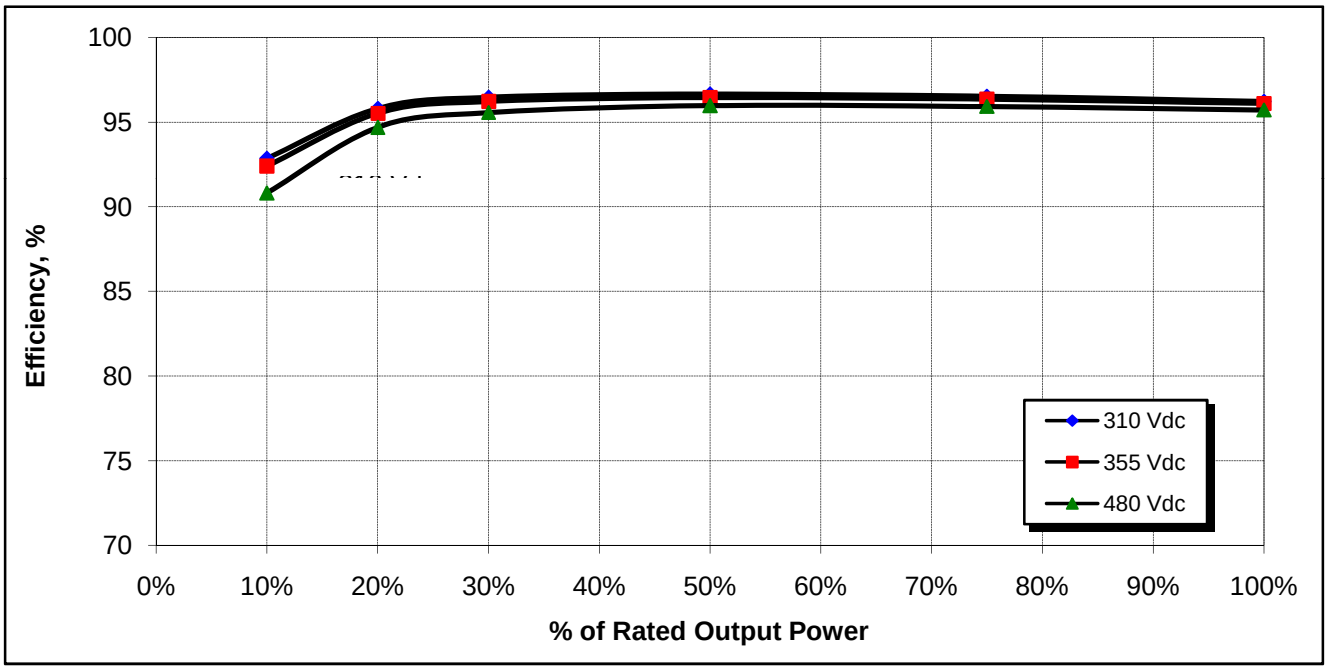
Model #: PVS-135 (480 V)

Rated Maximum Continuous Output Power: 135.00 kW Night Tare Loss: 63.67 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	95.8	96.5	96.7	96.5	96.2	96.4
Vnom	355	92.4	95.5	96.2	96.4	96.4	96.1	96.1
Vmax	480	90.8	94.7	95.6	96.0	95.9	95.7	95.6

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	12136	310.13	92.899	12109	310.13	92.947	12131	310.13	92.812	12127	310.15	92.605	12121	310.14	92.805
20%	Vmin	28367	309.97	95.838	28338	309.96	95.731	28358	309.97	95.772	28342	309.98	95.814	28345	309.99	95.813
30%	Vmin	43268	310.94	96.482	43242	310.91	96.466	43268	310.91	96.468	43233	310.93	96.425	43249	310.91	96.501
50%	Vmin	73066	310.74	96.682	73062	310.75	96.652	73059	310.72	96.647	73074	310.75	96.637	73031	310.71	96.609
75%	Vmin	97367	310.57	96.474	97395	310.59	96.518	97388	310.57	96.556	97400	310.59	96.512	97441	310.59	96.539
100%	Vmin	129973	310.31	96.268	1E+05	310.3	96.246	1E+05	310.31	96.215	1E+05	310.3	96.244	1E+05	310.34	96.229
10%	Vnom	12164	357.55	92.324	12152	357.53	92.530	12154	357.52	92.360	12123	357.52	92.380	12156	357.53	92.373
20%	Vnom	28411	357.48	95.618	28381	357.49	95.519	28395	357.49	95.533	28407	357.49	95.504	28405	357.49	95.506
30%	Vnom	43304	357.37	96.257	43335	357.4	96.276	43282	357.38	96.216	43274	357.4	96.143	43302	357.39	96.189
50%	Vnom	73080	357.27	96.423	73050	357.25	96.425	73081	357.27	96.455	73083	357.26	96.444	73114	357.27	96.449
75%	Vnom	97449	357.12	96.358	97464	357.1	96.364	97458	357.11	96.347	97456	357.11	96.364	97480	357.13	96.353
100%	Vnom	130016	356.84	96.129	59.98	356.87	96.091	1E+05	356.86	96.107	1E+05	356.86	96.139	1E+05	356.86	96.074
10%	Vmax	12262	476.48	90.842	12279	476.53	90.879	12235	476.49	90.912	12280	476.51	90.821	12222	476.49	90.763
20%	Vmax	28447	476.42	94.681	28480	476.43	94.737	28430	476.43	94.790	28439	476.44	94.658	28450	476.45	94.604
30%	Vmax	43352	476.32	95.624	43336	476.32	95.610	43333	476.33	95.575	43397	476.31	95.562	43350	476.27	95.527
50%	Vmax	73163	476.23	96.026	73101	476.24	95.985	73103	476.21	95.972	73164	476.25	95.956	73107	476.17	95.944
75%	Vmax	97486	476.13	95.921	97522	476.13	95.973	97504	476.12	95.886	97539	476.1	95.950	97511	476.13	95.898
100%	Vmax	130097	475.95	95.717	1E+05	475.96	95.694	1E+05	475.91	95.742	1E+05	475.92	95.742	1E+05	475.93	95.696

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	12123	310.13	92.831	12127	310.15	93.091									
20%	Vmin	28340	309.98	95.835	28367	310	95.827									
30%	Vmin	43246	310.93	96.475	43253	310.92	96.503									
50%	Vmin	73050	310.74	96.673	73065	310.71	96.683									
75%	Vmin	97405	310.6	96.542	97417	310.58	96.568									
100%	Vmin	129919	310.32	96.185	1E+05	310.31	96.210									
10%	Vnom	12147	357.55	92.379	12115	357.53	92.507									
20%	Vnom	28399	357.49	95.526	28417	357.5	95.509									
30%	Vnom	43346	357.39	96.235	43285	357.39	96.224									
50%	Vnom	73060	357.26	96.430	73093	357.26	96.467									
75%	Vnom	97453	357.1	96.346	97462	357.11	96.372									
100%	Vnom	129996	356.86	96.124	60	356.86	96.133									
10%	Vmax	12172	476.49	90.758	12167	476.48	90.707									
20%	Vmax	28490	476.44	94.715	28459	476.43	94.658									
30%	Vmax	43344	476.3	95.549	43352	476.3	95.518									
50%	Vmax	73113	476.23	95.991	73100	476.18	95.965									
75%	Vmax	97521	476.08	95.919	97546	476.15	95.928									
100%	Vmax	130075	475.94	95.713	1E+05	475.95	95.752									