Manufacturer: SatCon Power Systems

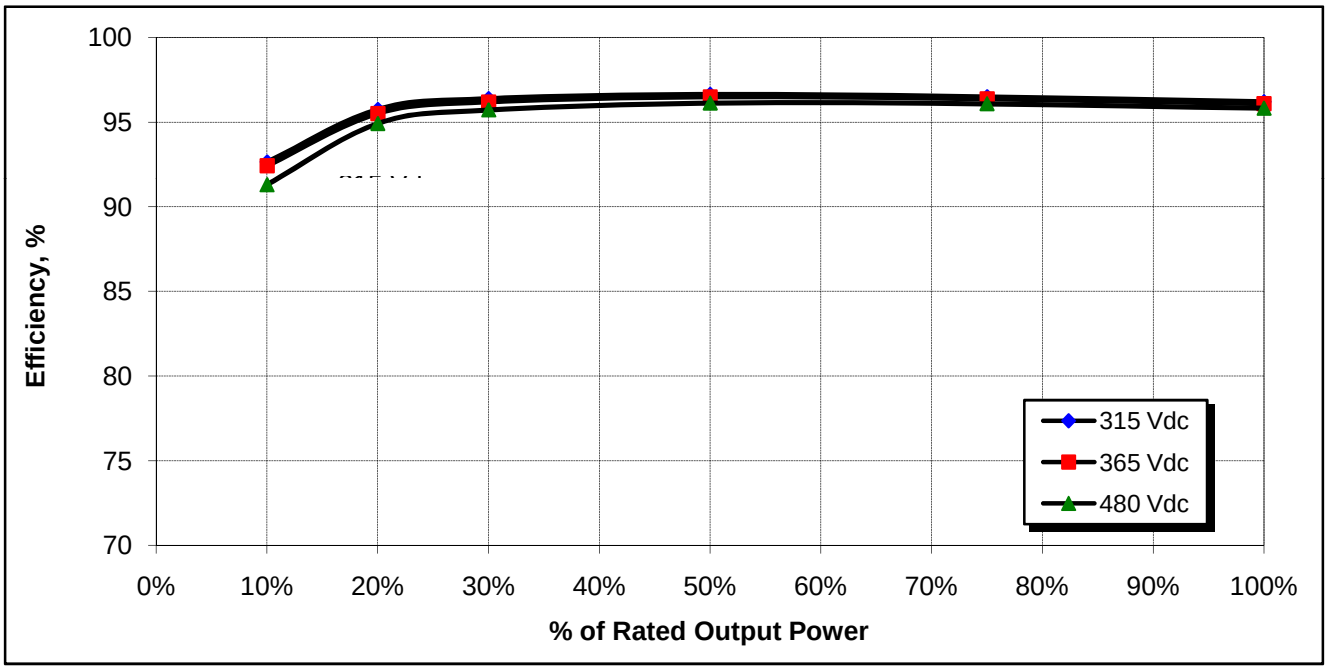
Model #: PVS-100 (208 V)

Rated Maximum Continuous Output Power: 100.00 kW Night Tare Loss: -62.34 W

Vmin: 315 Vdc Vnom: 365 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		10.00	20.00	30.00	50.00	75.00	100.00	Wtd
Vmin	315	92.6	95.7	96.4	96.6	96.5	96.2	96.3
Vnom	365	92.4	95.5	96.2	96.5	96.4	96.1	96.2
Vmax	480	91.3	94.9	95.7	96.1	96.1	95.8	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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	9095.5	317.13	92.846	9084	317.2	92.737	9089	317.35	92.687	9061	317.34	92.415	9073	317.2	92.557
20%	Vmin	21349	317.12	95.726	21317	317.18	95.777	21315	317.12	95.760	21329	317.17	95.737	21330	317.16	95.719
30%	Vmin	31542	317.13	96.350	31531	317.16	96.378	31535	317.09	96.367	31516	317.11	96.394	31509	317.06	96.401
50%	Vmin	53940	317.95	96.595	53963	318.06	96.652	53955	317.94	96.617	53965	317.95	96.665	53958	317.99	96.657
75%	Vmin	71280	317.83	96.532	71242	317.88	96.478	71268	317.82	96.496	71255	317.89	96.476	71242	317.85	96.480
100%	Vmin	95677	317.75	96.192	95688	317.73	96.212	95661	317.72	96.183	95624	317.71	96.172	95699	317.7	96.221
10%	Vnom	9099.3	364.54	92.332	9098	364.64	92.339	9091	364.59	92.164	9102	364.48	92.421	9096	364.69	92.516
20%	Vnom	21366	365.02	95.483	21348	365.06	95.517	21346	365.06	95.512	21348	365.09	95.500	21345	365.09	95.494
30%	Vnom	31535	364.06	96.179	31526	364.67	96.195	31540	364.12	96.203	31540	364.72	96.174	31542	364.31	96.201
50%	Vnom	53984	365.59	96.513	53982	365.73	96.509	53972	365.63	96.441	53992	365.24	96.504	53992	365.49	96.500
75%	Vnom	71303	365.23	96.378	71314	365.37	96.407	71284	365.41	96.345	71315	365.35	96.382	71297	365.46	96.394
100%	Vnom	95742	365.28	96.085	60.02	365.4	96.099	95672	365.13	96.041	95747	364.93	96.130	95710	365.09	96.084
10%	Vmax	9140.7	475.76	91.392	9141	475.81	91.483	9153	475.76	91.391	9143	475.73	91.226	9146	475.73	91.319
20%	Vmax	21400	475.73	94.871	21400	475.95	94.839	21420	476.05	94.945	21415	476.17	94.910	21389	476.42	95.041
30%	Vmax	31587	475.57	95.734	31574	475.48	95.703	31585	475.22	95.774	31570	475.47	95.732	31574	475.49	95.749
50%	Vmax	54043	475.55	96.133	54023	475.51	96.057	54047	475.52	96.149	54017	475.56	96.101	54034	475.23	96.167
75%	Vmax	71340	474.99	96.044	71365	474.75	96.101	71333	475	96.032	71340	475.29	96.067	71361	475.31	96.101
100%	Vmax	95825	475.45	95.836	95830	475.43	95.828	95760	475.38	95.758	95829	475.42	95.886	95790	475.56	95.793

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	9081.8	317.24	92.604	9091	317.13	92.636									
20%	Vmin	21327	317.19	95.759	21314	317.18	95.748									
30%	Vmin	31512	317.09	96.389	31520	317.09	96.403									
50%	Vmin	53967	317.96	96.640	53966	317.91	96.641									
75%	Vmin	71254	317.89	96.513	71260	317.91	96.482									
100%	Vmin	95663	317.72	96.195	95663	317.66	96.217									
10%	Vnom	9090.1	364.63	92.628	9088	364.63	92.589									
20%	Vnom	21345	365.18	95.570	21352	365.1	95.533									
30%	Vnom	31545	364.8	96.205	31538	364.56	96.249									
50%	Vnom	53992	365.43	96.502	53996	365.49	96.504									
75%	Vnom	71290	365.36	96.401	71299	365.32	96.407									
100%	Vnom	95718	365.11	96.091	60	365.04	96.128									
10%	Vmax	9138.3	476.44	91.390	9119	474.98	90.941									
20%	Vmax	21367	475.79	94.811	21389	475.23	94.991									
30%	Vmax	31568	475.81	95.645	31581	475.77	95.680									
50%	Vmax	54038	475.56	96.125	54034	475.19	96.137									
75%	Vmax	71361	475.16	96.110	71353	474.71	96.139									
100%	Vmax	95820	475.45	95.801	95799	475.3	95.832									