Manufacturer: SatCon Power Systems

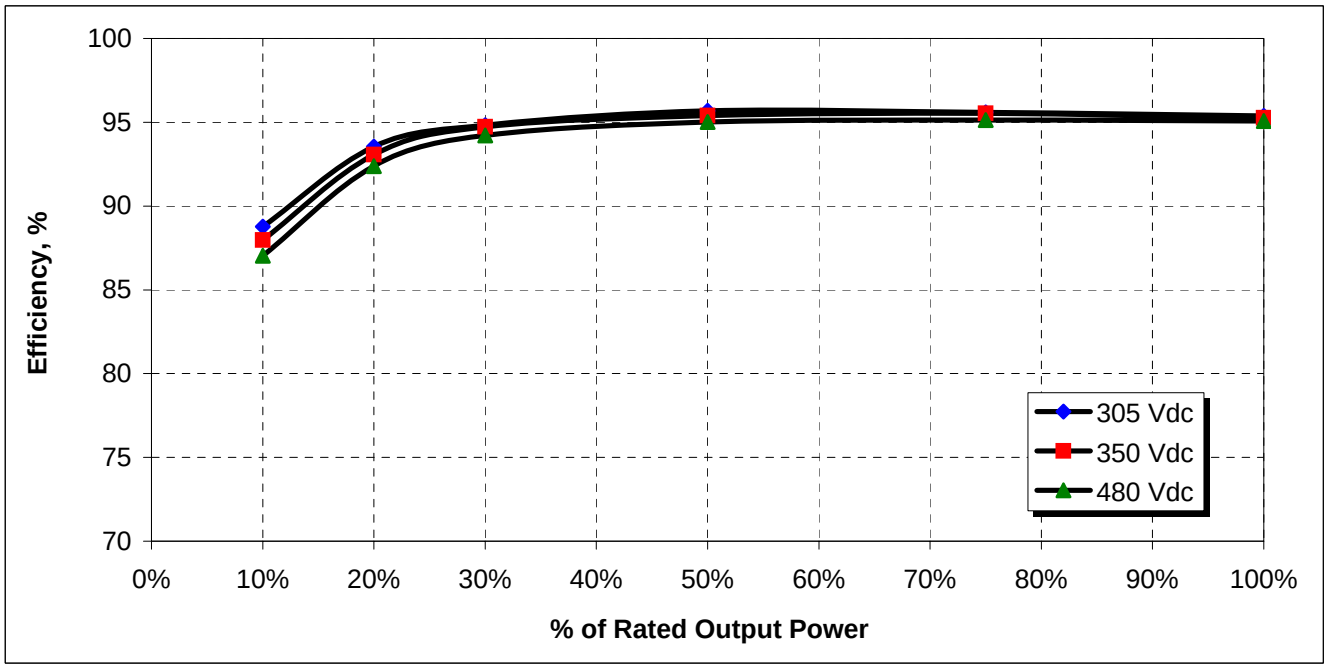
Model #: PVS-30 (208 V)

Rated Maximum Continuous Output Power: 30.00 kW Night Tare Loss: 75.62 W

Vmin: 305 Vdc Vnom: 350 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		3.00	6.00	9.00	15.00	22.50	30.00	Wtd
Vmin	305	88.8	93.5	94.8	95.7	95.6	95.4	95.1
Vnom	350	88.0	93.1	94.7	95.4	95.5	95.3	95.0
Vmax	480	87.0	92.4	94.2	95.0	95.1	95.1	94.5

CEC Efficiency = 95.0%



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	2874	307.60	88.69	2871.44	307.58	88.74	2878.18	307.57	88.76	2882.36	307.65	88.65	2878.51	307.67	88.81
20%	Vmin	6149	308.51	93.55	6168.49	308.59	93.51	6164.66	308.51	93.49	6178.64	308.50	93.58	6149.17	308.48	93.63
30%	Vmin	9423	310.26	94.82	9420.58	310.34	94.84	9406.67	310.26	94.83	9423.35	310.36	94.73	9419.87	310.29	94.84
50%	Vmin	16266	309.15	95.64	16248.17	309.22	95.70	16262.97	309.20	95.75	16260.67	309.18	95.69	16277.20	309.17	95.67
75%	Vmin	21866	309.57	95.72	22738.90	309.72	95.66	22756.83	310.16	95.72	22315.43	310.09	95.66	22260.10	310.05	95.60
100%	Vmin	28810	312.91	95.36	28696.43	312.89	95.49	28818.17	312.89	95.50	28769.37	312.81	95.46	28859.00	312.94	95.46
10%	Vnom	2900	355.24	88.40	2897.78	355.28	88.02	2895.69	355.32	87.99	2896.53	355.22	87.90	2900.92	355.27	87.88
20%	Vnom	6177	355.19	93.35	6181.14	355.10	93.30	6183.34	355.11	93.15	6167.93	355.24	92.95	6170.33	355.18	93.03
30%	Vnom	9413	355.11	94.70	9405.48	355.02	94.77	9416.07	355.09	94.67	9415.33	355.09	94.82	9420.43	355.12	94.78
50%	Vnom	16192	354.89	95.46	16110.23	354.99	94.97	16152.20	354.92	95.35	16188.23	354.96	95.52	16187.73	354.99	95.55
75%	Vnom	22904	354.88	95.46	22933.10	354.81	95.61	22921.73	354.84	95.60	22906.20	354.81	95.56	22914.50	354.83	95.52
100%	Vnom	28867	354.67	95.36	28861.33	354.60	95.36	28830.33	354.64	95.35	28829.67	354.68	95.33	28844.77	354.70	95.02
10%	Vmax	2916	479.65	87.75	2915.94	479.59	87.83	2916.36	479.63	87.22	2916.71	479.61	87.17	2917.47	479.64	86.32
20%	Vmax	6183	479.43	92.18	6181.03	479.40	92.43	6181.75	479.53	92.41	6176.66	479.44	92.58	6177.81	479.49	92.22
30%	Vmax	9436	479.42	94.17	9447.74	479.42	94.42	9445.44	479.39	94.16	9443.09	479.45	94.27	9445.74	479.43	94.16
50%	Vmax	16167	479.29	94.96	16180.90	479.27	95.09	16176.83	479.25	95.14	16174.40	479.20	95.12	16198.57	479.21	94.96
75%	Vmax	22905	479.07	95.07	22924.50	479.12	95.19	22911.87	479.07	95.19	22899.60	479.14	95.03	22858.47	479.07	94.93
100%	Vmax	30249	478.98	95.06	30282.77	478.97	95.16	30268.80	478.97	95.19	30234.63	479.04	95.10	30159.47	478.98	94.90

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	2873.38	307.55	89.025	2873.643	307.57	88.771									
20%	Vmin	6159.43	308.52	93.460	6210.037	308.46	93.574									
30%	Vmin	9419.03	310.28	94.810	9412.717	310.26	94.861									
50%	Vmin	16525.5	309.23	95.669	16202.5	309.1	95.618									
75%	Vmin	22863.9	310.06	95.534	22062.83	310.09	95.265									
100%	Vmin	28763.3	312.9	95.152	28698.97	312.91	95.187									
10%	Vnom	2894.3	355.24	87.632	2898.17	355.2	87.933									
20%	Vnom	6169.15	355.26	92.846	6169.083	355.18	92.789									
30%	Vnom	9422.42	355.11	94.671	9429.573	355.13	94.679									
50%	Vnom	16187.4	355.03	95.449	16181.17	354.94	95.473									
75%	Vnom	22923.4	354.91	95.526	22920.6	354.79	95.471									
100%	Vnom	28879.8	354.63	95.082	28911.97	354.68	95.304									
10%	Vmax	2916.02	479.6	86.203	2914.617	479.58	86.735									
20%	Vmax	6183.48	479.51	92.429	6187.313	479.44	92.420									
30%	Vmax	9440.38	479.38	94.138	9446.99	479.42	94.148									
50%	Vmax	16223.7	479.2	94.930	16201.7	479.2	94.894									
75%	Vmax	22921.2	479.12	95.221	22906.93	479.08	95.267									
100%	Vmax	30164.6	478.97	94.958	30255.9	478.96	95.106									