Manufacturer: SatCon Power Systems

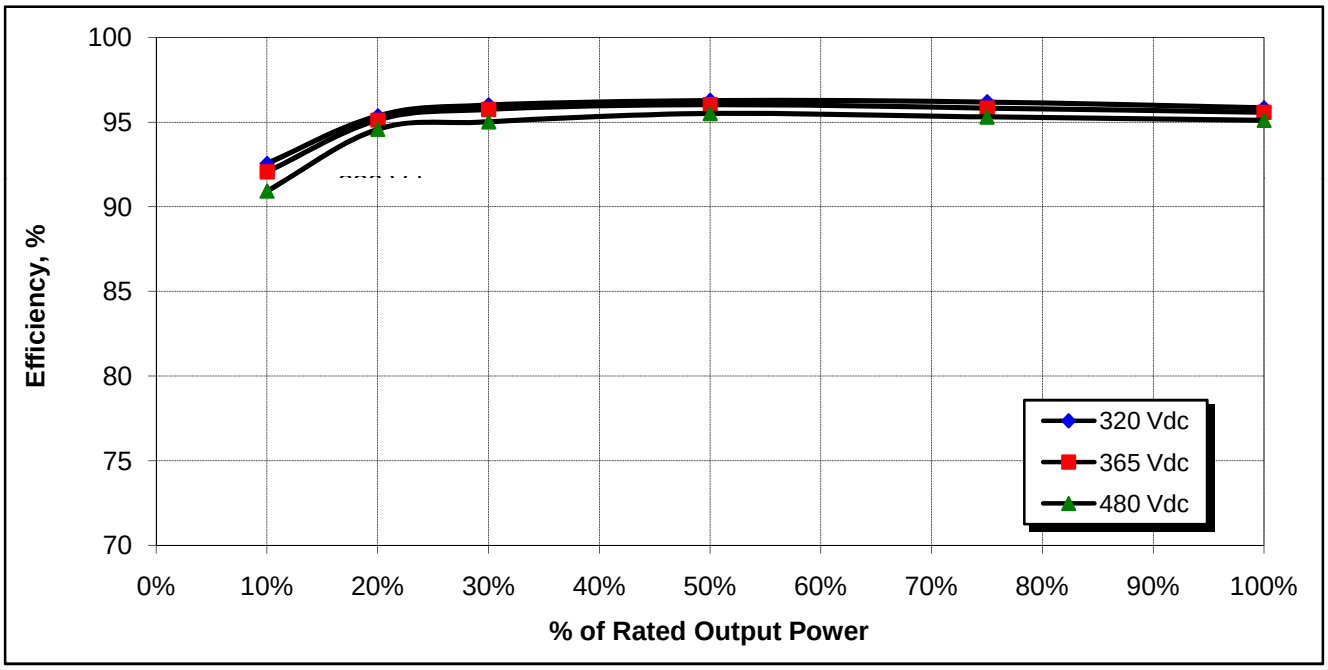
Model #: PVS-375 - 480V

Rated Maximum Continuous Output Power: 375.0 kW Night Tare Loss: -123.5 W

Vmin: 320 Vdc Vnom: 365 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		37.50	75.00	112.50	187.50	281.25	375.00	Wtd
Vmin	320	92.6	95.4	96.0	96.3	96.2	95.8	96.0
Vnom	365	92.1	95.1	95.7	96.0	95.8	95.6	95.7
Vmax	480	90.9	94.6	95.0	95.5	95.3	95.1	95.1

CEC Efficiency = 95.5%



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	33680.57	317.19	92.56	33676.97	317.19	92.74	33621.70	317.16	92.60	33612.43	317.20	92.51	33625.43	317.16	92.50
20%	Vmin	78962.70	317.06	95.40	78955.27	317.06	95.38	78890.13	317.13	95.31	78953.47	317.09	95.38	79045.03	317.08	95.44
30%	Vmin	116763.00	316.97	96.01	116804.00	316.99	96.00	116805.33	316.95	96.06	116795.33	317.01	96.01	116819.67	316.95	95.98
50%	Vmin	204066.33	317.69	96.25	204091.00	317.70	96.29	204105.67	317.67	96.32	204129.00	317.66	96.27	204042.33	317.67	96.25
75%	Vmin	280092.67	317.39	96.19	280254.00	317.38	96.26	280225.67	317.38	96.21	279935.67	317.45	96.15	279939.33	317.42	96.14
100%	Vmin	359748.00	317.22	95.80	359824.00	317.09	95.81	359815.00	317.21	95.82	359740.00	317.20	95.83	359751.33	317.15	95.88
10%	Vnom	33887.90	365.69	92.15	33946.20	365.68	92.22	33949.03	365.70	92.16	33973.67	365.70	91.96	33934.30	365.66	91.96
20%	Vnom	79091.40	365.60	95.10	79122.00	365.55	95.09	79129.50	365.59	95.17	79064.20	365.59	95.12	79038.77	365.58	95.21
30%	Vnom	116917.67	365.50	95.72	116848.33	365.46	95.71	116832.33	365.45	95.73	116944.00	365.49	95.81	116939.00	365.46	95.76
50%	Vnom	204310.33	365.28	96.01	204176.33	365.27	96.00	204245.00	365.29	96.04	204317.33	365.26	96.06	204292.33	365.30	96.04
75%	Vnom	280363.67	365.04	95.85	280288.00	365.04	95.82	280069.33	365.04	95.76	279991.67	365.06	95.77	280165.33	365.04	95.84
100%	Vnom	360253.00	364.85	95.63	360235.67	364.88	95.63	360076.67	364.85	95.58	360059.00	364.85	95.50	360000.67	364.87	95.52
10%	Vmax	34236.50	475.59	91.03	34129.03	475.60	91.19	34097.23	475.61	90.89	34132.37	475.59	90.92	34162.73	475.59	90.89
20%	Vmax	79293.87	475.54	94.57	79311.97	475.53	94.61	79320.20	475.57	94.60	79391.93	475.53	94.66	79273.97	475.53	94.58
30%	Vmax	117129.00	476.54	95.05	117056.33	476.51	95.00	117108.67	476.48	95.10	117156.33	476.51	94.94	117166.67	476.49	94.97
50%	Vmax	204609.33	476.34	95.55	204563.00	476.40	95.47	204357.33	476.32	95.42	204439.33	476.30	95.52	204571.00	476.33	95.57
75%	Vmax	280505.00	476.18	95.37	280675.00	476.18	95.42	280577.67	476.16	95.31	280220.67	476.16	95.21	280275.67	476.15	95.18
100%	Vmax	360442.33	476.03	95.14	360417.33	475.98	95.16	360425.67	476.09	95.11	360273.00	476.05	95.11	360267.33	476.08	95.05

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	33611.13	317.20	92.52	33581.50	317.21	92.50									
20%	Vmin	78964.20	317.09	95.35	78926.77	317.09	95.36									
30%	Vmin	116865.33	316.92	96.02	116812.00	317.00	96.04									
50%	Vmin	204153.67	317.74	96.29	204182.67	317.68	96.28									
75%	Vmin	280088.00	317.42	96.22	280085.00	317.41	96.20									
100%	Vmin	359759.67	317.16	95.87	359744.33	317.16	95.89									
10%	Vnom	33844.77	365.69	91.93	33806.30	365.66	92.04									
20%	Vnom	79109.10	365.59	95.07	79040.53	365.58	95.05									
30%	Vnom	116907.67	365.49	95.76	116915.00	365.51	95.74									
50%	Vnom	204167.67	365.31	96.03	204246.33	365.26	96.06									
75%	Vnom	280277.33	365.06	95.89	280183.67	365.05	95.84									
100%	Vnom	360068.00	364.87	95.59	360203.33	364.84	95.59									
10%	Vmax	34133.17	475.59	90.68	34175.27	475.59	90.91									
20%	Vmax	79260.37	475.58	94.42	79333.87	475.57	94.52									
30%	Vmax	117145.33	476.47	94.99	117139.67	476.47	95.04									
50%	Vmax	204572.33	476.38	95.56	204441.67	476.33	95.45									
75%	Vmax	280433.00	476.17	95.24	280689.67	476.21	95.37									
100%	Vmax	360247.67	476.02	95.07	360254.67	476.06	95.10									