Manufacturer: Satcon Techology Corporation

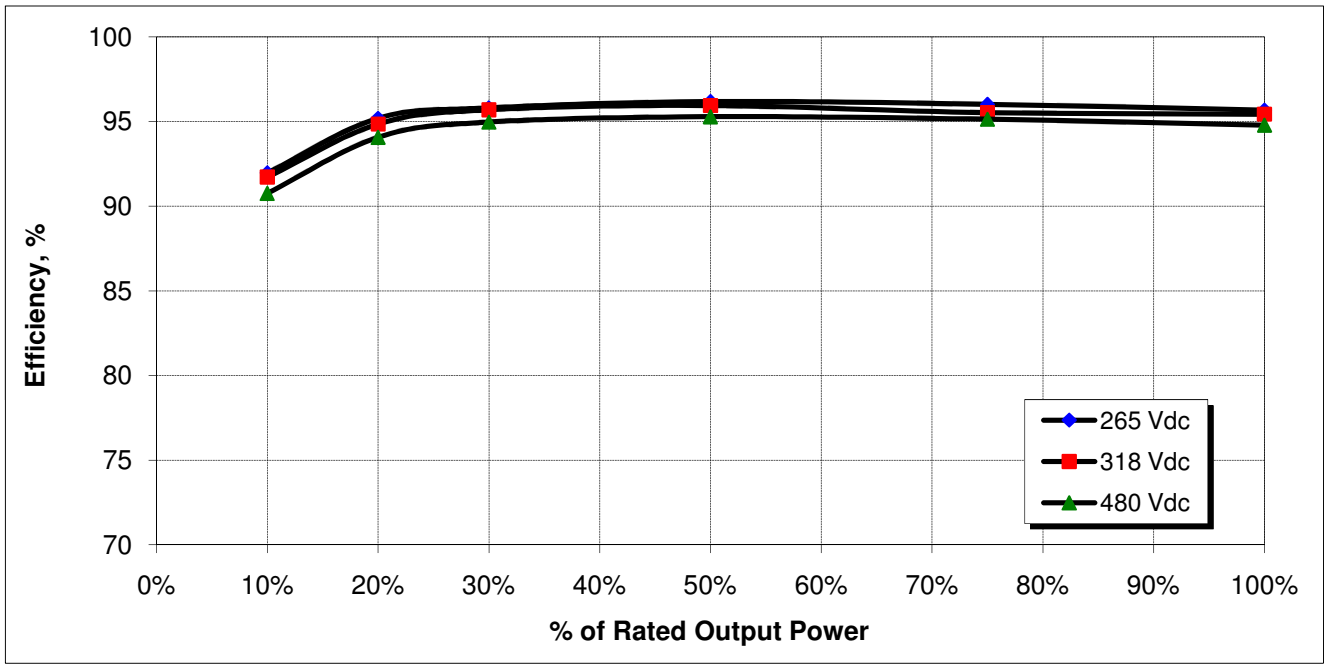
Model #: PV-210-S-480Vac

Rated Maximum Continuous Output Power: 210.00 kW Night Tare Loss: 189.81 W

Vmin: 265 Vdc Vnom: 318 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		21.00	42.00	63.00	105.00	157.50	210.00	Wtd
Vmin	265	92.0	95.2	95.8	96.2	96.0	95.7	95.8
Vnom	318	91.7	94.9	95.7	95.9	95.5	95.4	95.4
Vmax	480	90.8	94.1	95.0	95.3	95.1	94.8	94.9

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	19153	267.5	91.917	19180	267.35	91.933	19241	267.4	91.972	19194	267.35	91.886	19149	267.44	91.906
20%	Vmin	42576	268.12	95.185	42610	268.1	95.201	42635	268.1	95.253	42606	268.09	95.222	42648	268.1	95.194
30%	Vmin	66252	268.77	95.784	66286	268.79	95.813	66168	268.78	95.830	66031	268.79	95.802	65934	268.81	95.790
50%	Vmin	112793	268.19	96.187	112759	268.18	96.190	112720	268.19	96.189	112877	268.2	96.162	112796	268.19	96.149
75%	Vmin	151253	268.68	96.004	151040	268.76	95.969	151205	268.72	96.031	151088	268.71	96.023	151198	268.68	96.007
100%	Vmin	202083	269.23	95.692	202055	269.28	95.662	202446	269.23	95.666	202145	269.25	95.671	202142	269.25	95.648
10%	Vnom	19298	317.6	91.804	19273	317.56	91.742	19378	317.54	91.811	19435	317.6	91.747	19319	317.57	91.637
20%	Vnom	42849	317.3	94.824	42930	317.33	94.802	42840	317.31	94.818	42760	317.33	94.862	42812	317.28	94.822
30%	Vnom	66214	317.94	95.661	66344	317.95	95.670	66279	317.96	95.664	66160	317.94	95.677	66191	317.96	95.704
50%	Vnom	112955	317.44	95.939	113072	317.48	95.954	112891	317.47	95.977	113130	317.46	95.927	112965	317.49	95.931
75%	Vnom	151581	477.3	95.125	152018	477.27	95.175	151570	477.28	95.147	151533	320.84	95.774	151311	318.13	95.799
100%	Vnom	202335	318.52	95.441	59.999	318.49	95.396	202380	318.46	95.445	202321	318.5	95.427	202336	318.52	95.405
10%	Vmax	19943	476.25	90.784	19696	476.26	90.903	19734	476.27	90.821	19896	476.27	90.870	19830	476.27	90.733
20%	Vmax	43537	477.08	94.087	43446	477.11	94.134	43091	477.06	94.063	43195	477.04	94.015	43559	477.08	94.015
30%	Vmax	66708	477.92	94.947	66434	477.95	94.944	66799	477.92	94.965	66725	477.88	94.997	66451	477.87	94.936
50%	Vmax	113719	477.55	95.256	113117	477.57	95.253	113696	477.54	95.297	113133	477.6	95.276	113769	477.58	95.314
75%	Vmax	151615	477.31	95.170	152056	477.28	95.137	151614	477.32	95.113	152023	477.26	95.141	151542	477.26	95.109
100%	Vmax	202754	476.9	94.788	202694	476.88	94.761	202933	476.88	94.802	202983	476.92	94.800	202733	476.91	94.759

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	19132	267.42	91.999	19131	267.37	92.115									
20%	Vmin	42667	268.09	95.118	42642	268.12	95.101									
30%	Vmin	65911	268.77	95.785	65917	268.77	95.782									
50%	Vmin	112761	268.18	96.172	112812	268.22	96.186									
75%	Vmin	151145	268.7	96.007	151153	268.73	96.016									
100%	Vmin	202002	269.26	95.685	202046	269.23	95.666									
10%	Vnom	19283	317.57	91.648	19384	317.59	91.653									
20%	Vnom	42899	317.36	94.915	42824	317.32	94.913									
30%	Vnom	66260	317.93	95.729	66214	317.95	95.748									
50%	Vnom	112957	317.52	95.915	113050	317.45	95.974									
75%	Vnom	151456	318.16	95.793	151310	318.15	95.831									
100%	Vnom	202397	318.54	95.474	60.009	318.49	95.439									
10%	Vmax	19638	476.28	90.536	19724	476.22	90.617									
20%	Vmax	43307	477.04	94.020	43151	477.04	94.077									
30%	Vmax	66767	477.89	94.952	66755	477.94	94.987									
50%	Vmax	113202	477.6	95.258	113573	477.54	95.273									
75%	Vmax	152061	477.29	95.111	151658	477.28	95.138									
100%	Vmax	202682	476.88	94.753	202953	476.87	94.807									