Manufacturer: Solectria Renewables, LLC.

Model #: PVI 13 kW 480 V (fan on when required (Automatic Operation)

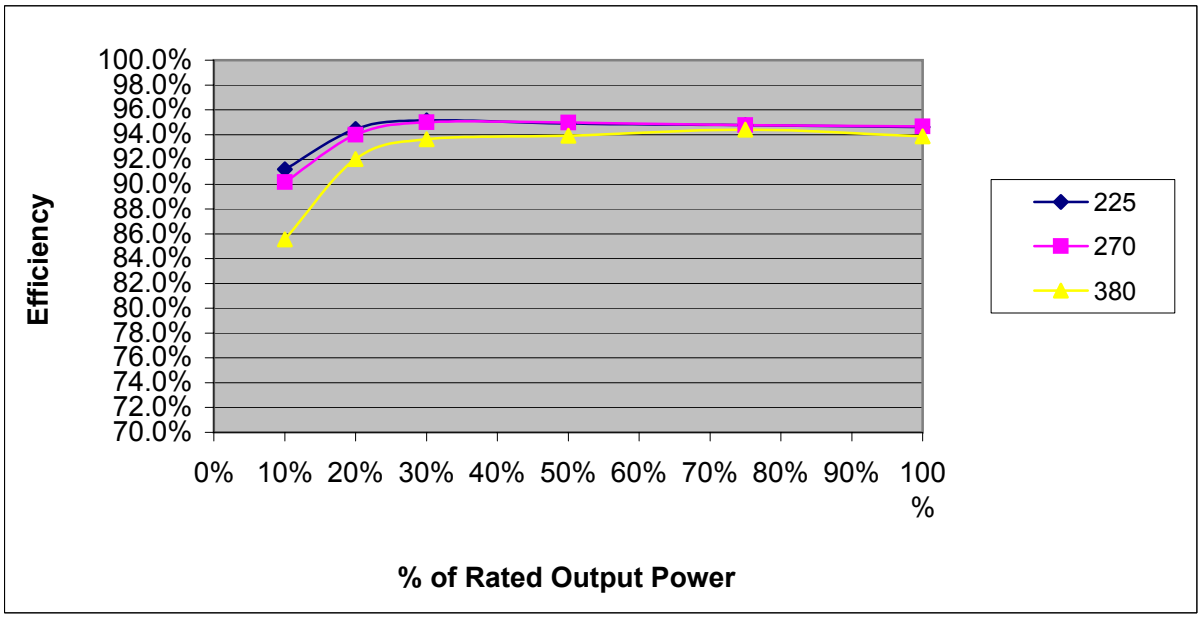
Rated Maximum Continuous Output Power: 13.44 kW Night Tare Loss: <0.01 W

Vmin: 225 Vdc Vnom: 270 Vdc Vmax: 380 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		1.34	2.69	4.03	6.72	10.08	13.44	Wtd
Vmin	225	91.2%	94.4%	95.2%	94.9%	94.8%	94.6%	94.7%
Vnom	270	90.2%	94.0%	95.0%	95.0%	94.8%	94.7%	94.6%
Vmax	380	85.5%	92.0%	93.6%	93.9%	94.4%	93.8%	93.7%

Peak Efficiency: 95.2% Nominal Average Efficiency: 94.5%

CEC Efficiency = 94.5%



Specified		Sample #1			Sample #2			Sample #	
Output Power	Input Voltage	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage
(% of rated)	(Vdc)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)
10%	Vmin	1.2819	224.53	0.91142	1.286	224.41	0.91314	1.2844	224.4
20%	Vmin	2.9386	225.45	0.94544	2.9409	225.48	0.94483	2.9406	225.46
30%	Vmin	4.2195	224.78	0.95187	4.2179	224.79	0.95123	4.2196	224.78
50%	Vmin	7.1635	224.48	0.94886	7.1585	224.48	0.94919	7.1566	224.47
75%	Vmin	9.3939	224.31	0.94751	9.3977	224.3	0.94781	9.4016	224.29
100%	Vmin	12.845	223.93	0.94598	12.854	223.93	0.94612	12.848	223.93
10%	Vnom	1.2619	270.16	0.90378	1.2615	270.16	0.90202	1.2597	270.16
20%	Vnom	2.7771	270.04	0.9406	2.7774	270.05	0.93908	2.7803	270.04
30%	Vnom	3.9541	269.9	0.94994	3.9568	269.9	0.94998	3.9568	269.9
50%	Vnom	7.1911	269.69	0.94939	7.1882	269.69	0.94955	7.1883	269.69
75%	Vnom	10.338	269.35	0.94772	10.343	269.35	0.94785	10.342	269.37
100%	Vnom	13.305	269.26	0.94661	13.306	269.29	0.9466	13.311	269.29
10%	Vmax	1.184	380.44	0.85408	1.1832	380.43	0.85414	1.1837	380.43
20%	Vmax	2.7683	380.27	0.92076	2.7672	380.27	0.91938	2.7663	380.27
30%	Vmax	4.1746	380.12	0.93589	4.1768	380.11	0.93601	4.1784	380.11
50%	Vmax	7.1514	380.03	0.93899	7.1509	380.03	0.93909	7.1519	380.02
75%	Vmax	9.7904	379.99	0.94348	9.7919	379.99	0.94426	9.7935	380
100%	Vmax	12.951	379.71	0.93851	12.949	379.7	0.93851	12.944	379.7

#3	Sample #4			Sample #5			Sample #6		
Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency
(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
0.91357	1.2826	224.46	0.9114	1.2841	224.48	0.91066	1.2844	224.46	0.91117
0.94424	2.9378	225.45	0.94375	2.9367	225.46	0.94384	2.9359	225.45	0.94442
0.95141	4.2229	224.77	0.95149	4.2208	224.77	0.95175	4.2171	224.79	0.95191
0.94913	7.1614	224.47	0.94888	7.1604	224.47	0.94893	7.1552	224.47	0.94904
0.94799	9.3967	224.29	0.94767	9.3979	224.28	0.94752	9.4023	224.29	0.94748
0.94604	12.861	223.93	0.94584	12.846	223.92	0.94588	12.375	224.08	0.946
0.90168	1.259	270.17	0.90156	1.2599	270.17	0.90016	1.2613	270.17	0.90044
0.93916	2.7804	270.04	0.93993	2.7801	270.04	0.94041	2.778	270.05	0.94012
0.9502	3.9567	269.9	0.95009	3.9562	269.89	0.9495	3.9588	269.89	0.94999
0.94999	7.1923	269.7	0.9499	7.1971	269.7	0.94945	7.1956	269.67	0.94952
0.94771	10.337	269.37	0.94773	10.334	269.36	0.9478	10.332	269.35	0.94794
0.94653	13.315	269.28	0.94647	13.304	269.28	0.94643	13.306	269.28	0.94638
0.85731	1.1842	380.43	0.85542	1.1826	380.43	0.85642	1.1818	380.42	0.85528
0.9193	2.7683	380.26	0.92064	2.7715	380.26	0.92114	2.7707	380.26	0.92066
0.93616	4.1791	380.11	0.93637	4.1787	380.11	0.93679	4.1786	380.12	0.93652
0.93968	7.15	380.02	0.93938	7.1496	380.02	0.93887	7.1503	380.02	0.93892
0.94471	9.7925	380	0.9441	9.7959	380	0.94356	9.8005	380.01	0.94357
0.93862	12.938	379.7	0.93853	12.933	379.7	0.93831	12.929	379.7	0.93831