Manufacturer: Solectria Renewables, LLC.

Model #: PVI 15kW 480 V (fan on when required (Automatic Operation)

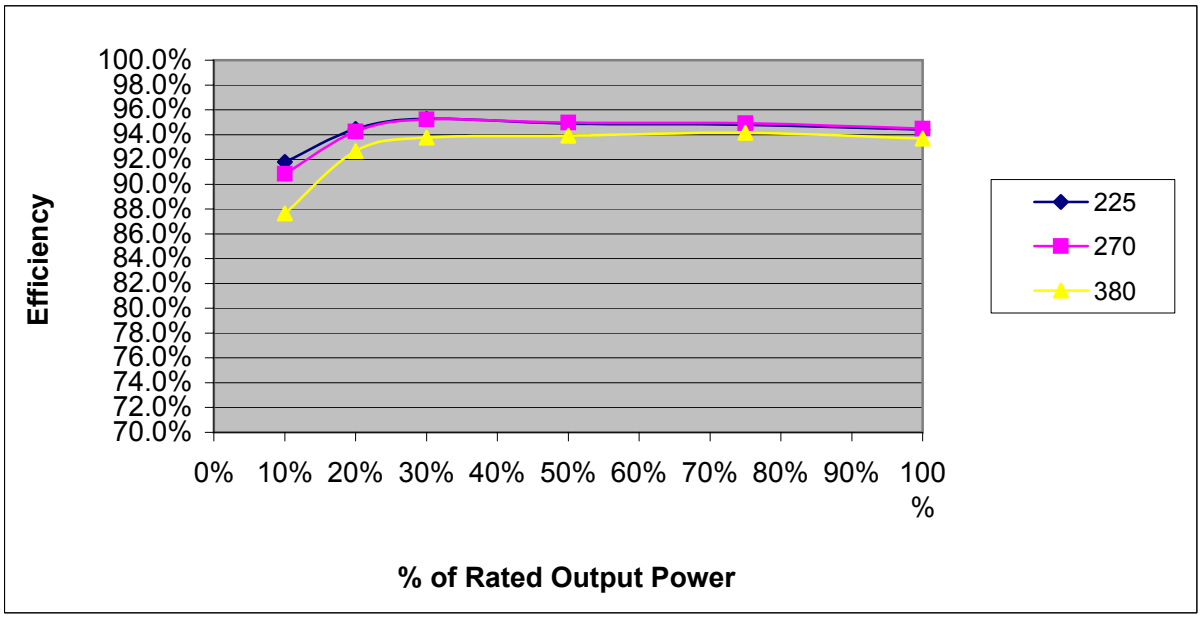
Rated Maximum Continuous Output Power: 15.09 kW Night Tare Loss: <0.01 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		1.51	3.02	4.53	7.55	11.32	15.09	Wtd
Vmin	225	91.8%	94.4%	95.3%	94.9%	94.8%	94.4%	94.7%
Vnom	270	90.8%	94.2%	95.2%	95.0%	94.9%	94.5%	94.8%
Vmax	380	87.6%	92.7%	93.8%	93.9%	94.2%	93.7%	93.7%

Peak Efficiency: 95.3% 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	1.4143	224.67	0.91818	1.4151	224.63	0.91722	1.4125	224.53
20%	Vmin	2.9386	225.45	0.94544	2.9409	225.48	0.94483	2.9406	225.46
30%	Vmin	4.7546	224.71	0.95283	4.7542	224.71	0.95289	4.7544	224.71
50%	Vmin	7.1635	224.48	0.94886	7.1585	224.48	0.94919	7.1566	224.47
75%	Vmin	10.7	224.21	0.94786	10.7	224.22	0.94779	10.7	224.23
100%	Vmin	14.492	223.82	0.94398	14.511	223.82	0.94401	14.512	223.81
10%	Vnom	1.4048	270.14	0.90831	1.4029	270.16	0.90902	1.4027	270.15
20%	Vnom	2.9214	270.02	0.94085	2.9243	270.01	0.94304	2.9255	270.02
30%	Vnom	4.5504	269.82	0.95238	4.5514	269.83	0.95258	4.5523	269.83
50%	Vnom	7.1911	269.69	0.94939	7.1882	269.69	0.94955	7.1883	269.69
75%	Vnom	11.445	269.31	0.94955	11.456	269.31	0.94939	11.457	269.31
100%	Vnom	14.438	269.24	0.94479	14.427	269.24	0.94463	14.431	269.24
10%	Vmax	1.4563	380.38	0.87828	1.4546	380.38	0.87638	1.4516	380.38
20%	Vmax	3.2084	380.18	0.92702	3.208	380.19	0.92636	3.2075	380.19
30%	Vmax	4.4824	380.08	0.93774	4.4843	380.09	0.93772	4.4831	380.09
50%	Vmax	7.1514	380.03	0.93899	7.1509	380.03	0.93909	7.1519	380.02
75%	Vmax	11.163	379.94	0.94152	11.16	379.94	0.94136	11.161	379.94
100%	Vmax	14.251	379.76	0.937	14.235	379.76	0.93735	14.245	379.74

#3	Sample #4			Sample #5		
Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency
(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)
0.91704	1.4126	224.51	0.91829	1.4162	224.55	0.91885
0.94424	2.9378	225.45	0.94375	2.9367	225.46	0.94384
0.95262	4.7517	224.72	0.95257	4.7486	224.71	0.95264
0.94913	7.1614	224.47	0.94888	7.1604	224.47	0.94893
0.94775	10.8	224.24	0.94795	10.8	224.24	0.94809
0.94398	14.506	223.8	0.94399	14.497	223.81	0.94409
0.90929	1.4068	270.14	0.90762	1.4066	270.11	0.90744
0.94347	2.9278	270.02	0.94252	2.9296	270.01	0.9422
0.95244	4.555	269.83	0.95208	4.5539	269.84	0.95165
0.94999	7.1923	269.7	0.9499	7.1971	269.7	0.94945
0.94926	11.459	269.31	0.94928	11.465	269.31	0.94906
0.94477	14.447	269.24	0.94485	14.449	269.23	0.94476
0.87429	1.4529	380.38	0.87547	1.4569	380.37	0.87721
0.92683	3.206	380.19	0.92678	3.2066	380.19	0.92707
0.93761	4.4813	380.08	0.93769	4.4817	380.08	0.9373
0.93968	7.15	380.02	0.93938	7.1496	380.02	0.93887
0.94175	11.165	379.94	0.94148	11.162	379.95	0.94143
0.93669	14.24	379.72	0.93645	14.232	379.73	0.93707