Manufacturer: Solectria Renewables, LLC

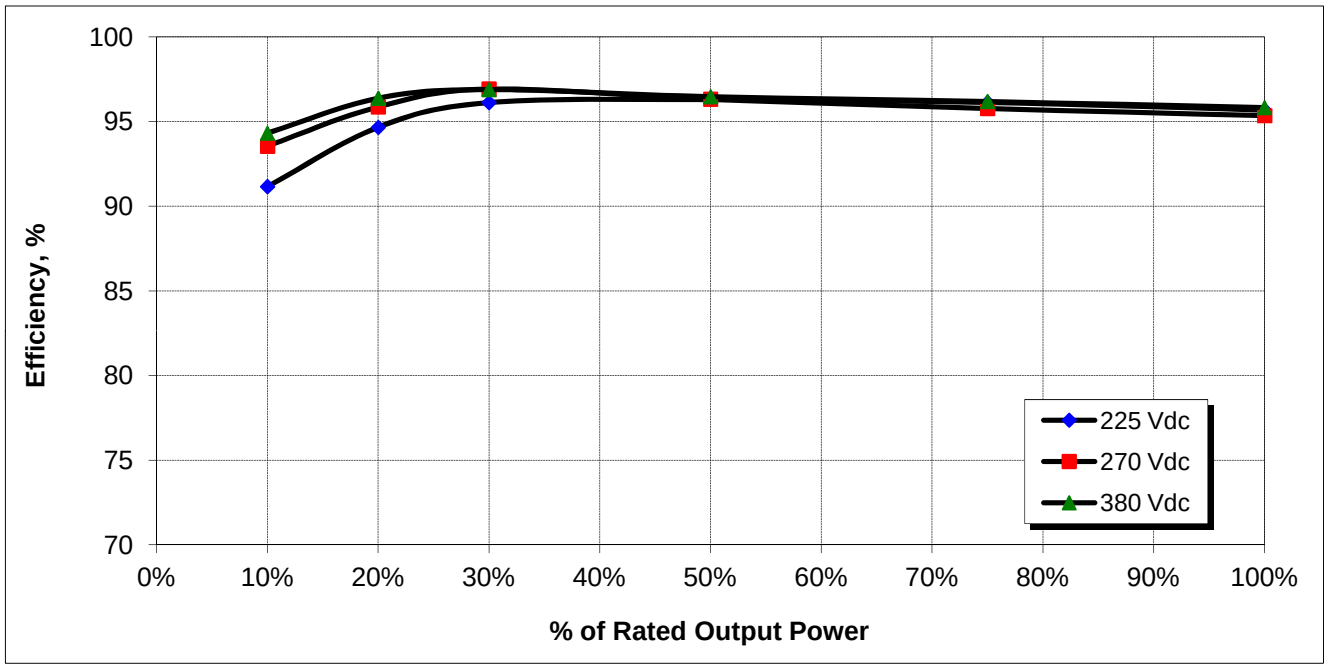
Model #: PVI13kW-208

Rated Maximum Continuous Output Power: 13.691 kW Night Tare Loss: -2.56 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		1.37	2.74	4.11	6.85	10.27	13.69	Wtd
Vmin	225	91.2	94.7	96.1	96.3	96.1	95.7	95.9
Vnom	270	93.5	95.9	96.9	96.3	95.8	95.3	95.9
Vmax	380	94.3	96.4	96.9	96.5	96.2	95.8	96.2

CEC Efficiency = 96.0%



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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	1.144	222.419	91.234	1.143	222.425	91.373	1.157	222.394	91.230	1.149	222.411	90.886	1.152	222.419	91.054
20%	Vmin	2.553	222.465	94.649	2.582	222.340	94.703	2.575	222.275	94.696	2.544	222.367	94.590	2.574	222.314	94.671
30%	Vmin	3.913	222.354	95.964	3.925	222.384	96.043	3.934	222.402	96.041	3.925	222.444	96.180	3.929	222.332	96.379
50%	Vmin	6.814	222.609	96.338	6.854	222.580	96.328	6.810	222.600	96.288	6.856	222.635	96.274	6.813	222.608	96.271
75%	Vmin	9.394	222.798	96.114	9.428	222.799	96.162	9.427	222.838	96.016	9.459	222.820	96.124	9.473	222.831	96.225
100%	Vmin	12.249	223.075	95.676	12.223	223.053	95.624	12.200	223.059	95.651	12.210	223.075	95.742	12.189	223.089	95.728
10%	Vnom	1.184	267.240	93.687	1.175	267.164	93.798	1.179	267.230	92.793	1.180	267.248	93.921	1.184	267.210	93.529
20%	Vnom	2.733	266.890	95.779	2.709	266.880	95.790	2.728	266.811	95.967	2.745	266.883	95.510	2.756	266.896	96.263
30%	Vnom	4.049	266.794	96.796	4.009	266.822	96.682	4.027	266.801	97.043	4.019	266.843	97.250	4.041	266.805	96.847
50%	Vnom	6.256	266.978	96.483	6.259	266.973	96.287	6.269	266.956	96.271	6.197	266.928	96.256	6.264	266.972	96.298
75%	Vnom	9.850	267.550	95.760	9.817	267.550	95.842	9.835	267.554	95.786	9.840	267.541	95.789	9.841	267.541	95.694
100%	Vnom	12.621	267.769	95.427	12.642	267.806	95.390	12.530	267.848	95.299	12.614	267.850	95.240	12.567	267.815	95.392
10%	Vmax	1.180	377.152	94.915	1.171	377.077	94.489	1.172	377.158	93.415	1.176	377.140	94.175	1.180	377.178	94.582
20%	Vmax	2.535	376.249	96.441	2.533	376.244	96.141	2.531	376.301	96.732	2.522	376.210	96.172	2.525	376.215	96.409
30%	Vmax	3.933	376.087	97.224	3.881	376.194	96.756	3.871	376.112	96.915	3.891	376.101	96.751	3.918	376.104	96.792
50%	Vmax	6.728	376.205	96.303	6.746	376.149	96.688	6.712	376.184	96.441	6.675	376.170	96.378	6.744	376.177	96.536
75%	Vmax	9.782	376.514	96.063	9.777	376.493	96.051	9.722	376.471	96.247	9.751	376.470	96.222	9.719	376.513	96.335
100%	Vmax	12.490	376.613	95.781	12.579	376.633	95.989	12.661	376.648	95.885	12.656	376.655	95.798	12.649	376.677	95.687

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															
20%	Vmin															
30%	Vmin															
50%	Vmin															
75%	Vmin															
100%	Vmin															
10%	Vnom															
20%	Vnom															
30%	Vnom															
50%	Vnom															
75%	Vnom															
100%	Vnom															
10%	Vmax															
20%	Vmax															
30%	Vmax															
50%	Vmax															
75%	Vmax															
100%	Vmax															