Manufacturer: Solectria Renewables, LLC

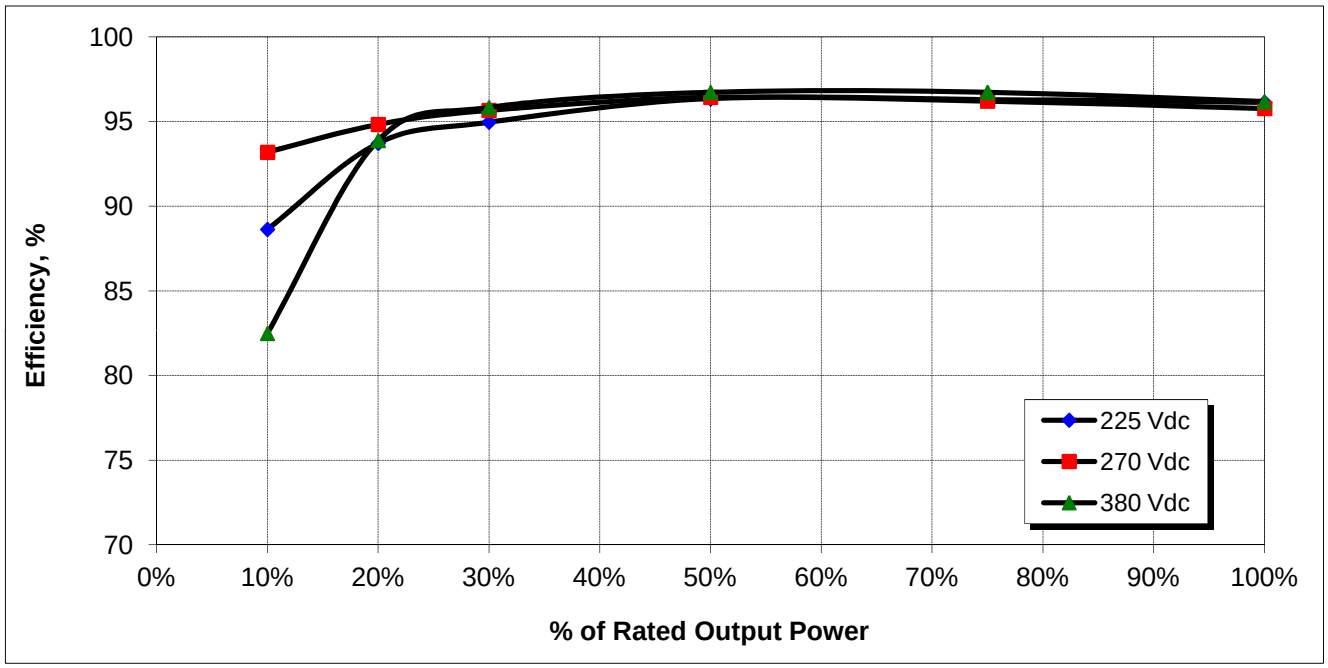
Model #: PVI10kW-208

Rated Maximum Continuous Output Power: 10.361 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)		1.04	2.07	3.11	5.18	7.77	10.36	Wtd
Vmin	225	88.6	93.7	95.0	96.4	96.3	96.1	95.7
Vnom	270	93.2	94.8	95.7	96.4	96.2	95.8	96.0
Vmax	380	82.5	93.9	95.8	96.7	96.7	96.2	95.9

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	0.873	222.552	89.234	0.866	222.511	88.495	0.861	222.531	88.285	0.866	222.518	88.628	0.862	222.468	88.495
20%	Vmin	1.945	222.284	93.424	1.926	222.408	93.097	1.945	222.349	94.102	1.959	222.268	93.854	1.947	222.179	94.119
30%	Vmin	2.830	222.345	95.427	2.772	222.359	94.424	2.813	222.330	95.015	2.826	222.303	95.196	2.790	222.333	94.730
50%	Vmin	4.519	222.391	96.414	4.470	222.417	96.109	4.502	222.408	96.531	4.480	222.429	96.397	4.482	222.438	96.306
75%	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
100%	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
10%	Vnom	0.853	267.375	92.716	0.870	267.372	93.687	0.862	267.372	92.776	0.859	267.336	93.095	0.866	267.306	93.682
20%	Vnom	2.054	266.899	94.521	2.060	266.887	94.979	2.036	266.867	94.877	2.036	266.857	94.855	2.055	266.860	94.921
30%	Vnom	3.120	266.817	96.071	3.085	266.831	95.933	3.082	266.850	96.059	3.120	266.885	95.298	3.062	266.781	94.942
50%	Vnom	4.978	266.868	96.545	4.963	266.902	96.712	4.961	266.840	96.450	4.973	266.895	96.236	4.960	266.843	96.247
75%	Vnom	7.485	267.228	96.028	7.546	267.157	96.213	7.502	267.190	96.282	7.525	267.188	96.111	7.529	267.172	96.454
100%	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
10%	Vmax	0.813	377.920	82.394	0.808	377.907	81.496	0.809	377.912	82.278	0.808	377.890	82.045	0.813	377.901	84.192
20%	Vmax	1.788	377.174	94.506	1.774	377.115	92.819	1.824	377.142	94.680	1.820	377.031	93.953	1.791	377.223	93.450
30%	Vmax	3.037	376.714	95.524	3.025	376.717	95.819	3.029	376.659	95.893	3.005	376.675	95.851	3.051	376.628	96.074
50%	Vmax	4.460	376.180	97.253	4.480	376.204	96.593	4.470	376.178	96.461	4.470	376.182	96.946	4.450	376.112	96.403
75%	Vmax	7.418	376.349	96.671	7.469	376.284	96.772	7.365	376.319	96.755	7.448	376.322	96.589	7.445	376.319	96.848
100%	Vmax	9.782	376.514	96.063	9.777	376.493	96.051	9.751	376.470	96.222	9.719	376.513	96.335	9.734	376.483	96.226

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															