Manufacturer: Solectria Renewables, LLC

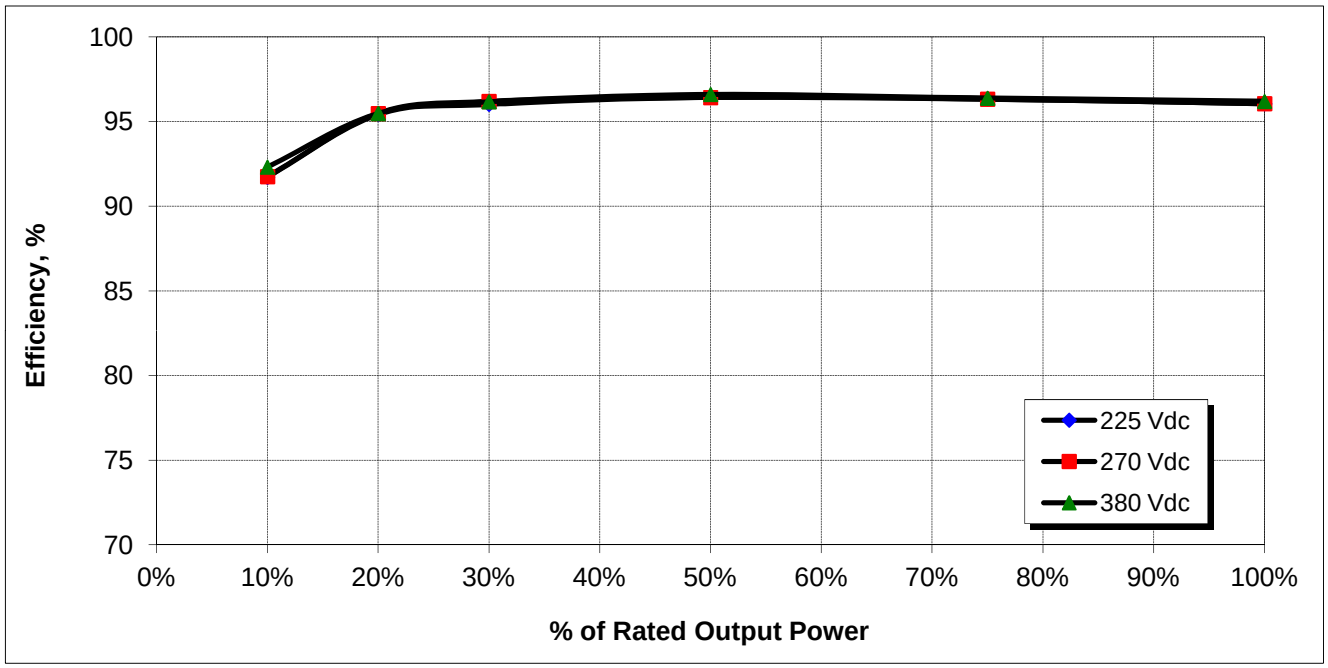
Model #: PVI10kW-480

Rated Maximum Continuous Output Power: 10.409 kW Night Tare Loss: -11.36 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		1.04	2.08	3.12	5.20	7.81	10.41	Wtd
Vmin	225	91.7	95.4	96.0	96.4	96.3	96.1	96.1
Vnom	270	91.7	95.5	96.2	96.4	96.3	96.1	96.1
Vmax	380	92.3	95.5	96.2	96.6	96.4	96.2	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	0.916	226.112	91.626	0.916	226.089	91.756	0.917	226.120	91.775	0.917	226.167	91.695	0.917	226.156	91.713
20%	Vmin	1.985	226.657	95.929	1.969	226.222	95.577	1.967	225.723	95.145	1.968	225.789	95.156	1.967	225.798	95.260
30%	Vmin	2.999	225.782	96.092	2.998	225.767	95.944	2.998	225.821	96.013	2.998	225.795	96.044	2.999	225.788	95.983
50%	Vmin	4.603	225.792	96.353	4.610	225.930	96.408	4.606	225.391	96.582	4.606	225.788	96.226	4.596	225.613	96.618
75%	Vmin	7.174	226.248	96.370	7.177	226.186	96.299	7.175	226.183	96.345	7.170	226.194	96.333	7.169	226.174	96.321
100%	Vmin	9.497	226.523	96.029	9.509	226.497	96.050	9.522	226.503	96.057	9.520	226.512	96.053	9.516	226.469	96.065
10%	Vnom	0.859	271.805	91.500	0.858	271.799	91.749	0.858	271.794	91.870	0.857	271.783	91.916	0.857	271.768	91.713
20%	Vnom	2.058	270.764	95.343	2.057	270.756	95.524	2.058	270.770	95.482	2.058	270.778	95.428	2.058	270.800	95.616
30%	Vnom	3.071	270.523	96.118	3.073	270.512	96.197	3.076	270.499	96.223	3.075	270.528	96.273	3.075	270.501	96.137
50%	Vnom	4.948	270.557	96.371	4.939	270.549	96.420	4.940	270.549	96.448	4.943	270.547	96.446	4.944	270.560	96.442
75%	Vnom	7.501	270.962	96.337	7.506	270.986	96.339	7.503	270.971	96.331	7.505	270.968	96.322	7.500	270.977	96.293
100%	Vnom	9.865	271.242	96.055	9.856	271.239	96.065	9.859	271.264	96.072	9.850	271.244	96.049	9.852	271.243	96.050
10%	Vmax	0.910	379.958	92.555	0.911	379.941	92.375	0.912	379.956	92.149	0.913	379.968	92.347	0.910	379.938	92.117
20%	Vmax	2.023	379.277	95.448	2.022	379.250	95.457	2.018	379.275	95.408	2.017	379.258	95.711	2.019	379.276	95.374
30%	Vmax	3.059	378.132	96.017	3.072	378.256	96.609	3.065	378.324	96.305	3.064	378.170	95.744	3.069	378.035	96.172
50%	Vmax	4.380	377.584	96.933	4.381	377.586	96.477	4.378	377.620	96.609	4.373	377.583	96.536	4.378	377.612	96.439
75%	Vmax	7.371	377.725	96.390	7.370	377.736	96.368	7.366	377.743	96.398	7.372	377.728	96.429	7.361	377.700	96.339
100%	Vmax	9.907	378.210	96.155	9.889	378.246	96.253	9.912	378.137	96.222	9.919	378.113	96.160	9.905	378.208	96.177

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															