Manufacturer: Solectria Renewables, LLC

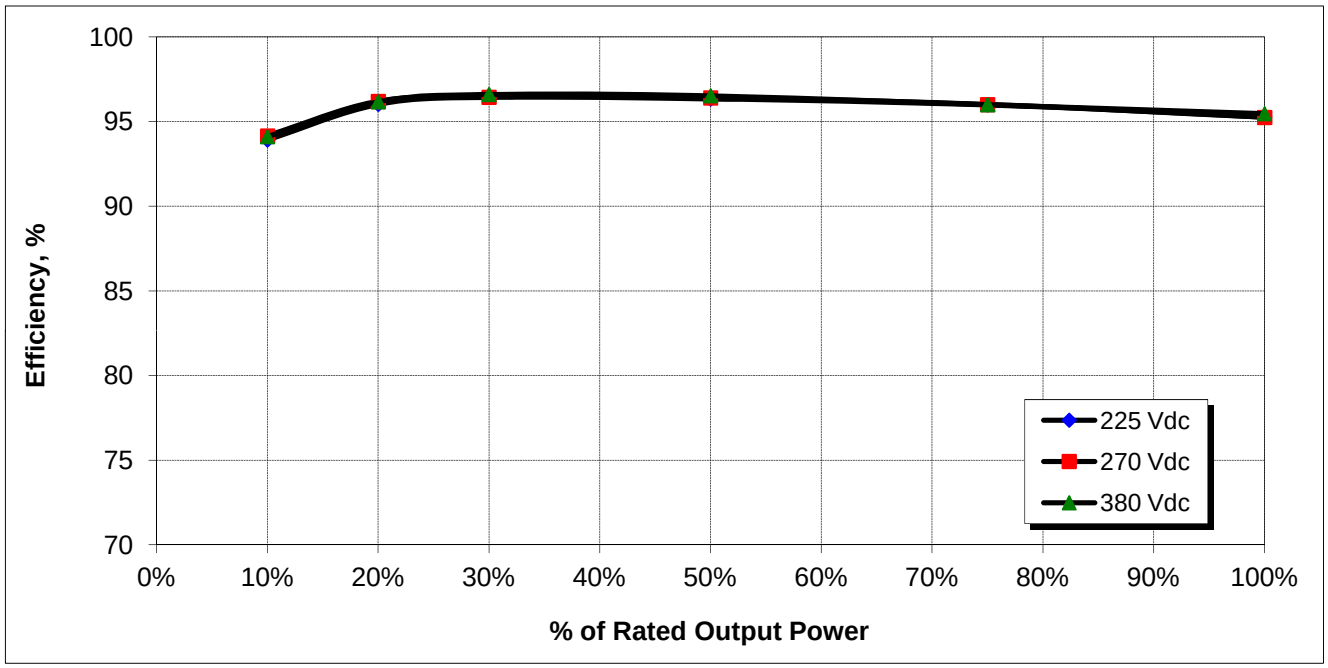
Model #: PVI15kW-480

Rated Maximum Continuous Output Power: 15.353 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)		1.54	3.07	4.61	7.68	11.51	15.35	Wtd
Vmin	225	93.9	96.0	96.4	96.3	96.0	95.3	96.0
Vnom	270	94.2	96.2	96.4	96.4	96.0	95.3	96.0
Vmax	380	94.1	96.2	96.6	96.5	96.0	95.5	96.1

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	1.390	225.851	93.838	1.391	225.886	93.903	1.390	225.877	93.784	1.390	225.864	93.974	1.392	225.921	94.078
20%	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
30%	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
50%	Vmin	6.813	225.935	96.502	6.819	226.201	96.283	6.829	226.079	96.146	6.815	225.946	96.291	6.820	226.147	96.488
75%	Vmin	10.234	226.540	95.989	10.246	226.546	95.996	10.242	226.545	95.992	10.224	226.545	95.975	10.226	226.536	95.993
100%	Vmin	14.419	227.070	95.267	14.413	227.039	95.281	14.402	227.064	95.281	14.391	227.027	95.252	14.396	227.063	95.266
10%	Vnom	1.382	271.358	94.063	1.383	271.378	94.217	1.382	271.363	94.335	1.383	271.363	94.042	1.381	271.361	94.093
20%	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
30%	Vnom	4.563	270.489	96.453	4.561	270.481	96.445	4.559	270.475	96.451	4.559	270.475	96.390	4.560	270.480	96.442
50%	Vnom	6.780	270.827	96.415	6.777	270.851	96.409	6.781	270.843	96.407	6.780	270.836	96.362	6.778	270.845	96.369
75%	Vnom	10.584	271.351	96.027	10.588	271.367	95.992	10.581	271.344	95.997	10.581	271.358	96.003	10.588	271.352	96.021
100%	Vnom	14.775	271.850	95.246	14.787	271.847	95.264	14.788	271.851	95.261	14.780	271.874	95.247	14.792	271.855	95.233
10%	Vmax	1.324	379.826	94.478	1.330	379.932	93.229	1.326	379.728	95.182	1.328	379.896	93.590	1.334	379.910	94.054
20%	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
30%	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
50%	Vmax	6.995	377.616	96.563	7.038	377.658	96.519	7.014	377.617	96.671	7.018	377.641	96.578	7.013	377.599	96.282
75%	Vmax	10.988	378.281	96.000	10.998	378.265	96.018	10.985	378.274	95.976	10.976	378.241	95.984	10.995	378.292	95.990
100%	Vmax	14.367	378.753	95.465	14.350	378.753	95.477	14.366	378.754	95.451	14.354	378.761	95.500	14.363	378.740	95.445

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															