Manufacturer: Solectria Renewables, LLC

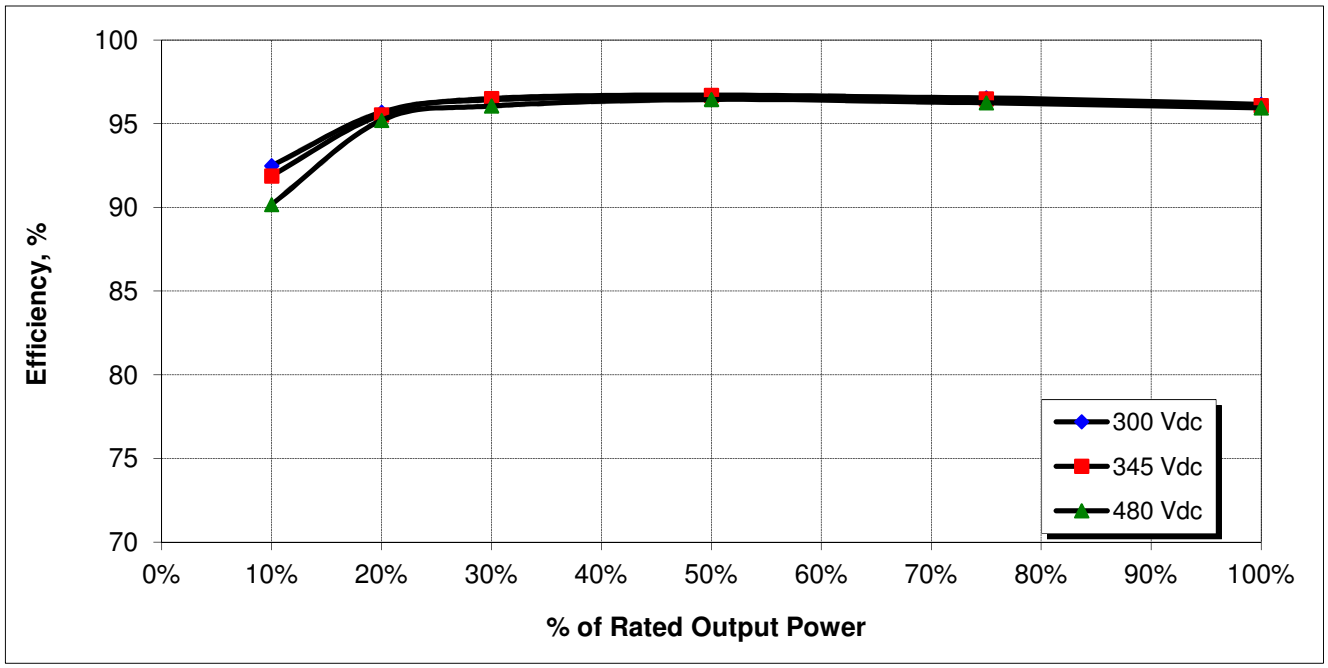
Model #: PVI-60-208

Rated Maximum Continuous Output Power: 60.00 kW Night Tare Loss: -0.49 W

Vmin: 300 Vdc Vnom: 345 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		6.00	12.00	18.00	30.00	45.00	60.00	Wtd
Vmin	300	92.5	95.7	96.4	96.6	96.5	96.2	96.3
Vnom	345	91.9	95.5	96.5	96.7	96.5	96.1	96.3
Vmax	480	90.2	95.2	96.1	96.4	96.2	95.9	96.0

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)	(%)	(kW)	(Vdc)	(%)
10%	Vmin	5.3467	299.56	92.687	5.341	299.53	92.321	5.339	299.55	92.499	5.34	299.58	92.316	5.34	299.51	92.594
20%	Vmin	12.648	299.55	95.643	12.62	299.55	95.696	12.63	299.56	95.671	12.64	299.59	95.703	12.61	299.6	95.714
30%	Vmin	19.306	299.61	96.388	19.32	299.6	96.457	19.31	299.6	96.443	19.3	299.69	96.41	19.3	299.65	96.45
50%	Vmin	29.162	299.63	96.615	29.09	299.64	96.565	29.12	299.61	96.639	29.17	299.64	96.572	29.16	299.67	96.575
75%	Vmin	43.955	299.69	96.551	43.77	299.69	96.535	43.99	299.72	96.532	44.15	299.69	96.551	44.07	299.73	96.532
100%	Vmin	60.484	303.12	96.156	60.54	303.08	96.15	60.51	303.19	96.143	60.42	302.79	96.177	60.5	303.17	96.163
10%	Vnom	5.2738	344.92	91.765	5.292	344.73	92.099	5.292	344.9	91.498	5.287	344.91	91.24	5.292	344.8	92.816
20%	Vnom	12.601	344.86	95.57	12.6	344.87	95.552	12.61	344.9	95.47	12.59	344.92	95.57	12.6	344.91	95.488
30%	Vnom	19.285	344.92	96.542	19.26	344.95	96.477	19.28	344.9	96.444	19.27	344.92	96.511	19.26	344.96	96.517
50%	Vnom	31.207	345.04	96.714	31.2	344.97	96.71	31.18	345.05	96.711	31.16	344.98	96.659	31.14	345.04	96.7
75%	Vnom	44.223	345.14	96.478	44.26	345.13	96.477	44.24	345.08	96.454	44.3	345.13	96.509	44.26	345.1	96.476
100%	Vnom	60.504	345.25	96.096	60.26	345.25	96.073	60.66	345.24	96.079	60.9	345.26	96.074	60.81	345.25	96.08
10%	Vmax	5.13	479.93	89.933	5.127	479.93	90.167	5.13	479.94	90.212	5.129	479.95	90.218	5.117	479.94	90.305
20%	Vmax	12.64	480.01	95.218	12.7	480	95.159	12.65	480.06	95.008	12.65	480.08	95.33	12.64	480.05	95.28
30%	Vmax	19.028	480.14	96.092	19.02	480.08	96.205	19.02	480.11	95.936	19.05	480.1	95.977	19.04	480.08	96.081
50%	Vmax	32.24	480.21	96.449	32.25	480.12	96.431	32.22	480.11	96.481	32.31	480.19	96.449	32.32	480.19	96.439
75%	Vmax	44.974	480.36	96.286	44.95	480.34	96.206	45	480.33	96.259	44.93	480.33	96.245	44.98	480.33	96.23
100%	Vmax	59.538	480.28	95.94	59.56	480.25	95.972	59.56	480.36	95.948	59.53	480.39	95.922	59.54	480.34	95.928

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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(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															