Manufacturer: Solectria Renewables, LLC

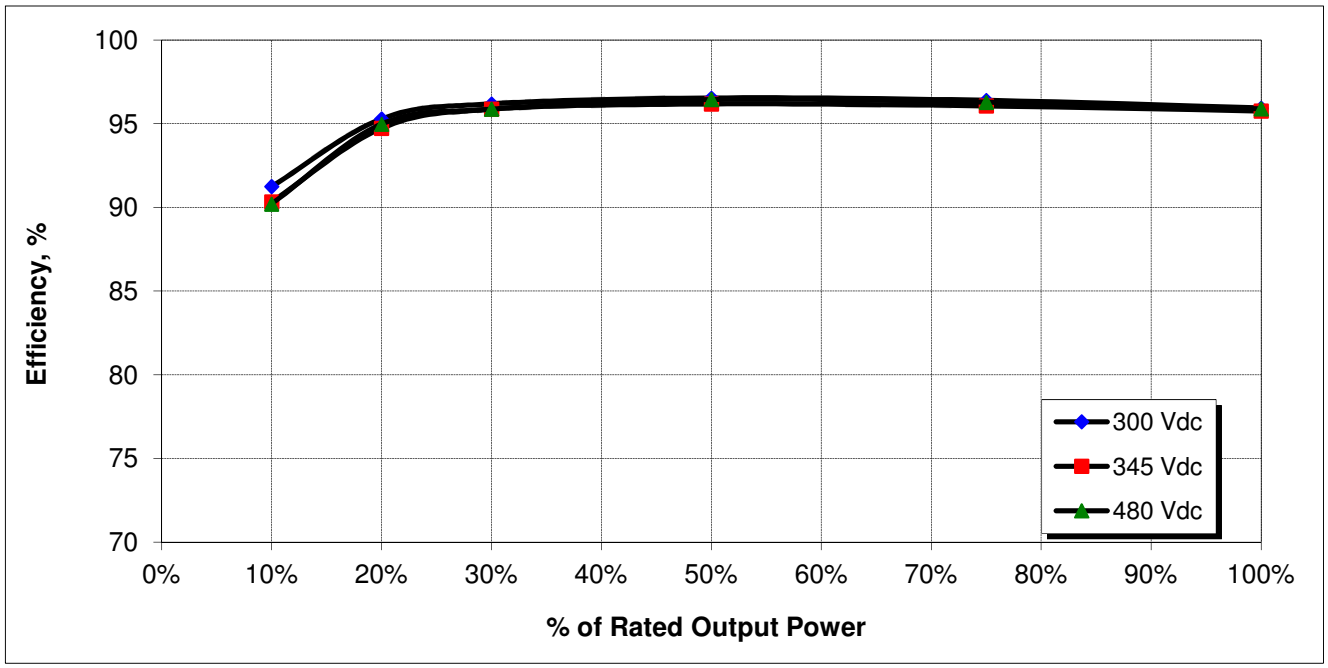
Model #: PVI-100-208

Rated Maximum Continuous Output Power: 100.00 kW Night Tare Loss: -1.00 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		10.00	20.00	30.00	50.00	75.00	100.00	Wtd
Vmin	300	91.2	95.3	96.2	96.5	96.4	95.9	96.1
Vnom	345	90.3	94.7	95.9	96.2	96.1	95.8	95.8
Vmax	480	90.2	95.0	95.9	96.4	96.3	95.9	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)	(%)	(kW)	(Vdc)	(%)
10%	Vmin	9.321	299.64	91.241	9.315	299.65	91.334	9.308	299.63	91.212	9.294	299.65	91.208	9.292	299.62	91.214
20%	Vmin	20.998	299.64	95.254	21	299.62	95.296	21.01	299.71	95.297	21	299.68	95.258	21.02	299.61	95.277
30%	Vmin	31.636	299.72	96.173	31.6	299.75	96.177	31.57	299.61	96.179	31.51	299.71	96.177	31.53	299.8	96.177
50%	Vmin	50.772	299.91	96.526	50.74	299.42	96.525	50.65	299.8	96.527	50.66	299.99	96.53	50.81	299.5	96.54
75%	Vmin	73.101	300.32	96.394	72.86	299.01	96.392	73.08	299.48	96.382	73.24	300.63	96.364	73.28	299.72	96.394
100%	Vmin	100.17	300.42	95.926	100.3	300.41	95.927	100.2	300.46	95.931	98.96	300.43	95.944	99.3	300.14	95.919
10%	Vnom	9.248	345.87	90.395	9.256	345.89	90.281	9.263	345.72	90.29	9.244	345.8	90.317	9.256	345.94	90.35
20%	Vnom	21.145	345.92	94.679	21.18	345.67	94.743	21.2	345.58	94.741	21.2	345.79	94.731	21.19	345.98	94.736
30%	Vnom	31.67	345.88	95.893	31.57	345.78	95.838	31.53	346.01	95.903	31.47	346.04	95.854	31.53	345.92	95.868
50%	Vnom	50.255	346.54	96.208	50.46	345.77	96.132	50.58	346.02	96.177	50.64	346.6	96.082	50.62	345.95	96.284
75%	Vnom	71.808	344.92	96.092	72.22	346.18	96.092	72.4	346.98	96.036	72.12	346.14	96.106	72.06	345.04	96.001
100%	Vnom	98.953	347.52	95.763	98.73	345.76	95.754	98.92	344.22	95.786	98.62	344.25	95.75	98.06	345.51	95.746
10%	Vmax	8.953	478.94	89.986	8.964	478.9	90.391	8.975	478.67	90.412	8.977	478.66	90.809	8.949	478.91	89.418
20%	Vmax	21.038	478.57	94.958	20.93	478.87	95.253	20.94	478.45	95.028	20.92	478.8	94.697	20.94	478.97	94.908
30%	Vmax	31.908	479.18	95.92	32.09	479.22	95.856	32.07	478.22	95.859	32.13	478.3	95.857	32.08	478.94	95.828
50%	Vmax	51.716	477.01	96.522	51.73	476.52	96.522	51.6	477.96	96.404	51.52	479.11	96.367	51.55	480.03	96.4
75%	Vmax	72.964	477.49	96.3	72.92	479.37	96.227	72.72	479.86	96.322	72.56	476.66	96.261	72.62	475.17	96.286
100%	Vmax	99.5	477.92	95.865	99.12	481.06	95.819	98.64	478.88	95.907	99.11	475.66	95.968	99.35	474.13	95.89

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															