Manufacturer: Solectria Renewables, LLC

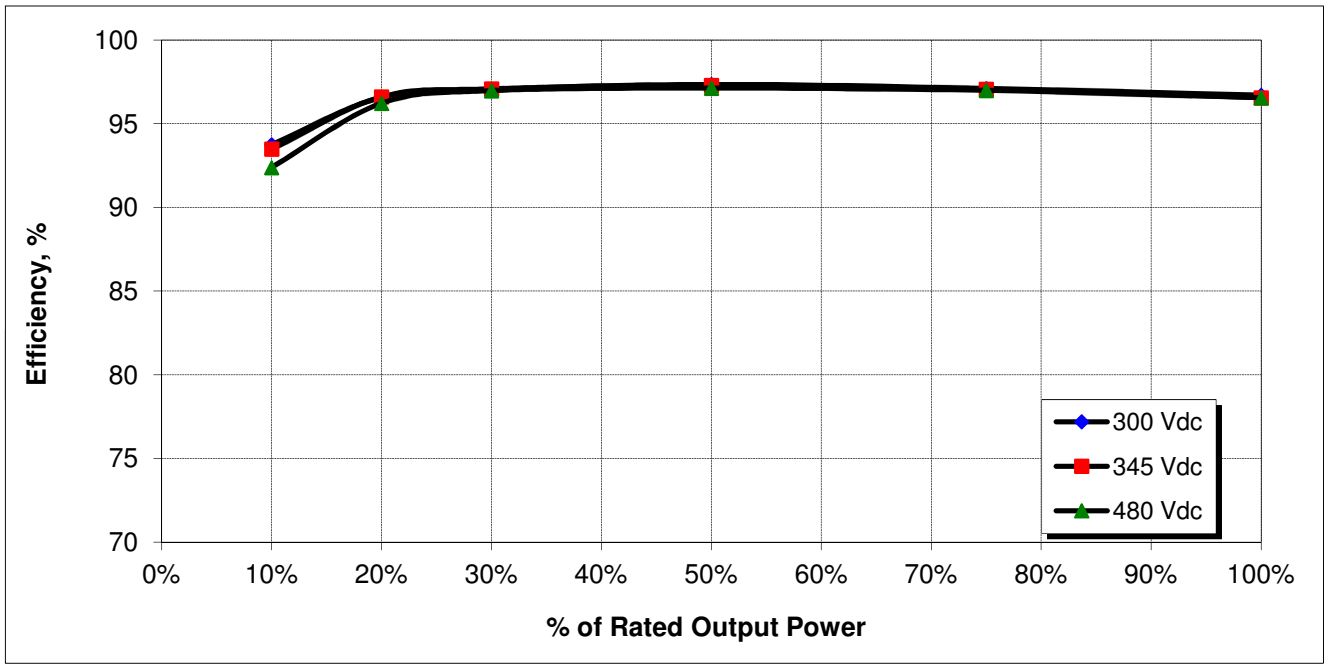
Model #: PVI-75-208

Rated Maximum Continuous Output Power: 75.00 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)		7.50	15.00	22.50	37.50	56.25	75.00	Wtd
Vmin	300	93.7	96.6	97.0	97.3	97.1	96.7	97.0
Vnom	345	93.5	96.6	97.1	97.3	97.0	96.5	96.9
Vmax	480	92.4	96.2	97.0	97.1	97.0	96.5	96.8

CEC Efficiency = 97.0%



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	6.949	299.91	93.778	6.951	300.03	93.664	6.941	299.87	93.652	6.94	299.9	93.802	6.949	299.99	93.797
20%	Vmin	16.048	300.05	96.559	16.08	300.06	96.64	16.09	300.01	96.584	16.16	300.04	96.504	16.16	299.95	96.585
30%	Vmin	22.303	300.09	97.044	22.41	300.03	97.087	22.45	299.98	96.998	22.42	300	97.066	22.4	300	97.015
50%	Vmin	37.106	299.94	97.296	37.04	300.1	97.379	37.11	300.15	97.33	37.1	300.1	97.328	37.12	300.12	97.38
75%	Vmin	55.919	299.95	97.099	55.71	300.09	97.107	55.62	300.13	97.099	55.74	300.19	97.131	56.02	300.09	97.085
100%	Vmin	75.73	299.94	96.716	75.66	300.02	96.674	75.6	300.28	96.691	75.87	300.21	96.702	76.21	300	96.699
10%	Vnom	6.702	344.17	93.694	6.701	344.04	93.263	6.713	344.02	93.446	6.723	344.03	93.652	6.715	344.04	93.339
20%	Vnom	15.69	344.03	96.592	15.66	344.04	96.525	15.69	344.04	96.64	15.73	344	96.632	15.67	343.98	96.586
30%	Vnom	23.779	344.09	97.075	23.7	344.07	97.162	23.73	344.03	97.051	23.67	343.98	97.03	23.65	344	97.057
50%	Vnom	38.063	344.14	97.325	38.19	344.19	97.266	38.22	344.15	97.303	38.11	344.09	97.274	37.97	344.09	97.282
75%	Vnom	56.59	344.02	97.019	56.33	344.27	97.099	56.34	344.18	97.032	56.83	344.21	97.062	56.65	344.08	97.037
100%	Vnom	75.611	344.44	96.558	75.85	344.37	96.536	75.65	344.31	96.55	75.48	344.4	96.548	75.51	344.39	96.546
10%	Vmax	6.914	479.79	92.175	6.919	479.78	92.636	6.925	479.8	92.275	6.908	479.8	92.293	6.917	479.79	92.508
20%	Vmax	15.812	479.8	96.172	15.77	479.83	96.32	15.79	479.82	96.193	15.77	479.79	96.114	15.82	479.8	96.25
30%	Vmax	23.981	479.86	96.909	24.03	479.85	96.982	24	479.86	96.989	24.07	479.9	96.984	24.04	479.87	96.968
50%	Vmax	37.983	479.81	97.139	37.91	479.84	97.188	37.82	479.97	97.034	37.81	480.01	97.068	37.91	479.99	97.163
75%	Vmax	56.129	479.94	96.979	55.88	480	96.943	55.56	479.97	97.005	55.42	480.03	96.974	55.61	479.99	97.017
100%	Vmax	76.139	480.19	96.528	76.02	480.1	96.528	75.47	480.14	96.534	75.68	480.12	96.54	75.96	479.95	96.563

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															