Manufacturer: Solectria Renewables, LLC

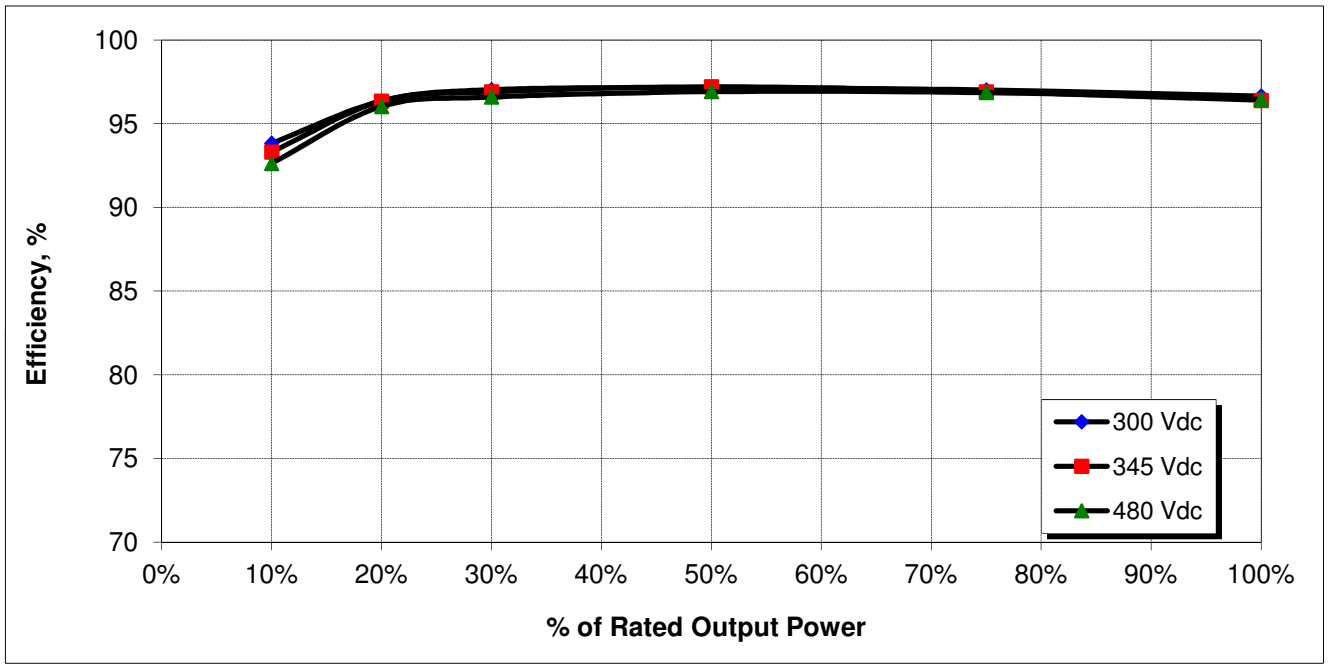
Model #: PVI-75-480

Rated Maximum Continuous Output Power: 75.00 kW Night Tare Loss: -2.71 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	93.8	96.4	97.0	97.2	97.0	96.6	96.9
Vnom	345	93.3	96.4	96.9	97.2	96.9	96.4	96.8
Vmax	480	92.6	96.0	96.6	96.9	96.9	96.5	96.6

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	6.8849	300.56	94.127	6.866	300.56	93.475	6.873	300.63	93.885	6.868	300.57	93.639	6.864	300.63	94.006
20%	Vmin	15.619	300.67	96.542	15.64	300.68	96.358	15.64	300.63	96.212	15.66	300.71	96.382	15.66	300.7	96.293
30%	Vmin	22.016	300.68	96.837	21.97	300.7	97.248	22.01	300.72	97.106	21.99	300.69	96.991	22	300.73	96.992
50%	Vmin	37.273	300.82	97.137	37.31	300.77	97.135	37.26	300.79	97.247	37.26	300.77	97.149	37.33	300.84	97.144
75%	Vmin	53.973	300.88	96.997	53.95	300.9	97.042	53.93	300.83	97.044	53.93	300.85	97.019	53.69	300.85	96.981
100%	Vmin	72.448	300.97	96.655	73.04	301.05	96.639	73.02	301.03	96.639	72.87	301.13	96.676	72.93	301.07	96.623
10%	Vnom	7.1034	344.89	93.799	7.104	344.89	92.996	7.113	344.9	93.11	7.097	344.83	93.248	7.105	344.9	93.379
20%	Vnom	15.54	344.96	96.482	15.54	344.95	96.357	15.54	344.96	96.247	15.54	345	96.175	15.53	344.99	96.509
30%	Vnom	23.424	345.09	96.906	23.41	345.08	96.737	23.41	345.08	97.001	23.41	345.05	96.91	23.43	345.06	96.938
50%	Vnom	37.944	345.14	97.232	37.99	345.14	97.218	37.89	345.19	97.284	37.93	345.14	97.14	37.95	345.15	97.158
75%	Vnom	57.231	345.33	96.931	57.27	345.36	96.896	57.28	345.25	96.894	57.21	345.31	96.919	57.25	345.29	96.921
100%	Vnom	76.051	345.5	96.413	76.01	345.41	96.424	76.06	345.48	96.385	76.05	345.45	96.392	75.98	345.45	96.366
10%	Vmax	7.0822	481.01	92.654	7.083	481.01	92.076	7.063	481	93.246	7.081	480.97	92.588	7.083	481.01	92.574
20%	Vmax	16.208	481.03	95.932	16.23	481.04	96.092	16.18	481.05	96.064	16.22	481.07	96.007	16.22	481.03	96.037
30%	Vmax	23.556	481.14	96.758	23.57	481.12	96.682	23.5	481.1	96.686	23.53	481.12	96.271	23.55	481.1	96.554
50%	Vmax	39.761	481.23	96.913	39.83	481.22	96.911	39.83	481.22	96.793	39.81	481.23	96.877	39.83	481.2	97.08
75%	Vmax	54.3	481.37	96.875	54.2	481.4	96.806	54.3	481.37	96.845	54.3	481.37	96.839	54.4	481.4	96.923
100%	Vmax	73.53	481.59	96.467	73.1	481.54	96.413	73.58	481.55	96.46	73.05	481.51	96.431	73.94	481.53	96.571

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															