Manufacturer: Solectria Renewables, LLC

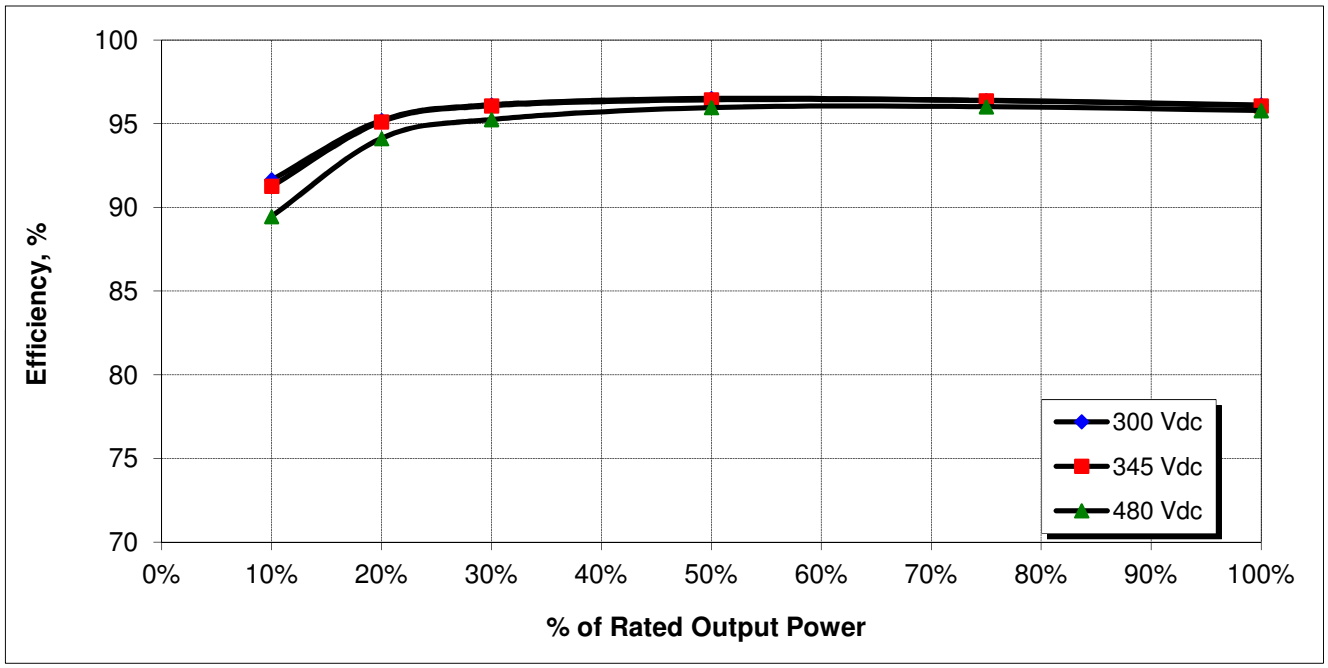
Model #: PVI-60-480

Rated Maximum Continuous Output Power: 60.00 kW Night Tare Loss: -2.85 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	91.6	95.2	96.1	96.5	96.4	96.1	96.1
Vnom	345	91.3	95.1	96.1	96.4	96.4	96.1	96.1
Vmax	480	89.5	94.1	95.2	96.0	96.0	95.8	95.5

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	5.5089	300.62	91.62	5.508	300.64	91.553	5.515	300.63	91.746	5.518	300.74	91.695	5.513	300.59	91.597
20%	Vmin	12.059	300.67	95.243	12.03	300.65	95.194	12.03	300.65	95.169	12.04	300.65	95.204	12.03	300.62	95.147
30%	Vmin	18.029	300.71	96.145	18.02	300.7	96.174	18.03	300.68	96.089	18.01	300.69	96.083	18.04	300.72	96.112
50%	Vmin	28.651	300.72	96.516	28.67	300.76	96.473	28.69	300.76	96.497	28.66	300.7	96.513	28.68	300.69	96.522
75%	Vmin	43.416	300.8	96.381	43.61	300.78	96.417	43.65	300.79	96.345	43.69	300.78	96.385	43.59	300.8	96.413
100%	Vmin	59.31	303.82	96.11	59.48	304.1	96.103	59.43	304.06	96.124	59.35	303.9	96.121	59.23	303.69	96.129
10%	Vnom	5.6184	344.93	91.356	5.623	344.99	91.252	5.612	344.96	91.327	5.616	344.95	91.184	5.619	344.99	91.203
20%	Vnom	12.074	345.05	95.175	12.16	345.08	94.954	12.16	345.05	95.157	12.16	345.02	95.127	12.15	345.03	95.16
30%	Vnom	18.403	345.11	96.01	18.38	345.07	96.097	18.39	345.02	96.079	18.41	345.03	96.022	18.42	345.05	96.111
50%	Vnom	29.221	345.19	96.435	29.23	345.13	96.37	29.21	345.08	96.422	29.22	345.11	96.417	29.2	345.13	96.454
75%	Vnom	42.453	345.21	96.348	42.35	345.22	96.358	42.4	345.19	96.394	42.32	345.23	96.378	42.32	345.2	96.387
100%	Vnom	59.62	345.3	96.066	59.61	345.29	96.095	59.56	345.3	96.061	59.52	345.3	96.041	59.58	345.38	96.079
10%	Vmax	5.4168	481.04	89.564	5.423	480.99	89.771	5.411	481.01	89.267	5.435	481.02	89.428	5.427	481.02	89.247
20%	Vmax	12.101	481.05	94.083	12.11	481.04	94.193	12.11	481.04	94.109	12.1	481.07	94.082	12.12	481.08	94.094
30%	Vmax	18.375	481.11	95.318	18.37	481.12	95.302	18.35	481.16	95.211	18.36	481.13	95.223	18.38	481.12	95.154
50%	Vmax	29.8	481.19	96.031	29.79	481.19	95.975	29.78	481.22	95.92	29.75	481.16	95.867	29.78	481.19	95.997
75%	Vmax	44.468	481.3	96.032	44.48	481.29	95.977	44.48	481.3	96.037	44.49	481.3	96.016	44.49	481.31	95.99
100%	Vmax	58.616	481.39	95.831	58.7	481.4	95.759	58.77	481.46	95.768	58.63	481.44	95.746	58.76	481.51	95.809

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															