Manufacturer: Solectria Renewables, LLC.

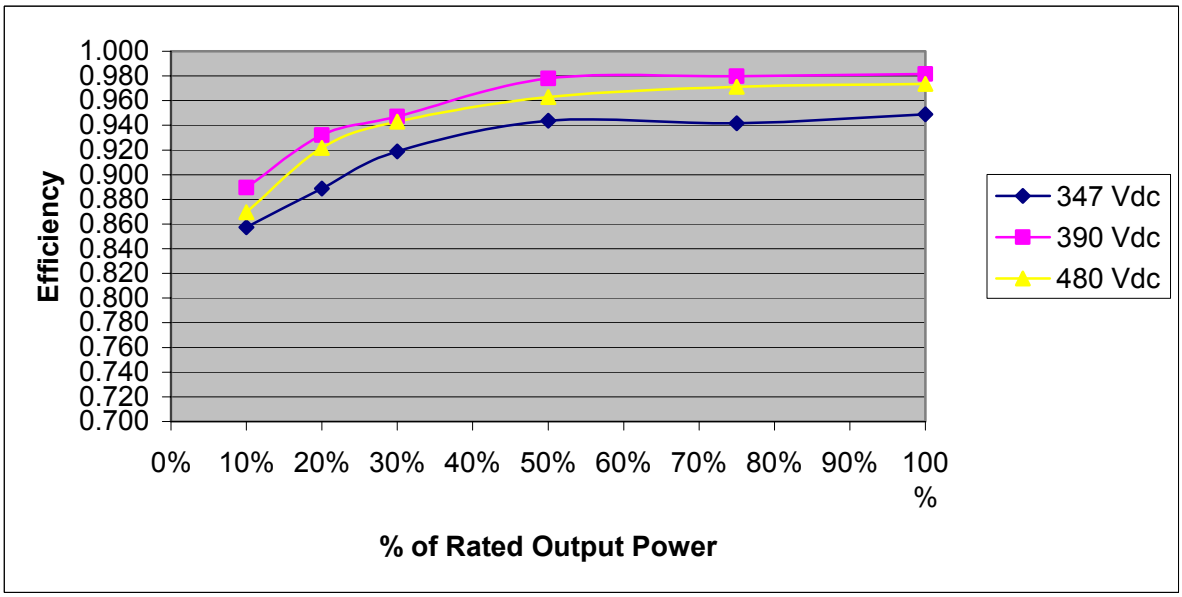
Model #: PVI 60kW-480VAC

Rated Maximum Continuous Output Power: 60.67 kW Night Tare Loss: <1 W

Vmin: 347 Vdc Vnom: 390 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		6.07	12.13	18.20	30.33	45.50	60.67	Wtd
Vmin	347	0.857	0.889	0.919	0.944	0.942	0.949	93.4%
Vnom	390	0.889	0.932	0.947	0.978	0.980	0.982	97.0%
Vmax	480	0.870	0.922	0.943	0.963	0.971	0.974	96.0%

CEC Efficiency = 95.5%



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)	(%)	(W)	(Vdc)	(%)
10%	Vmin	6.0	348.7	84.4%	6.0	348.8	85.8%	5.9	348.8	86.0%	5.9	348.8	86.2%	5.9	348.8	86.3%
20%	Vmin	12.3	349.3	89.0%	12.4	346.7	88.9%	12.4	346.6	88.8%	12.4	347.9	88.8%	12.4	348.7	88.8%
30%	Vmin	17.7	348.1	92.1%	17.5	347.1	92.0%	17.4	347.6	91.8%	17.7	348.2	91.8%	17.6	348.2	91.8%
50%	Vmin	29.7	346.3	94.4%	29.9	345.4	94.4%	29.7	345.3	94.4%	29.9	344.3	94.4%	29.9	344.3	94.3%
75%	Vmin	43.3	347.9	94.3%	43.7	348.3	94.3%	43.7	348.7	94.2%	43.6	349.1	94.1%	43.2	349.8	94.0%
100%	Vmin	62.0	348.5	94.9%	61.8	348.5	94.9%	61.7	350.1	94.9%	61.8	349.3	94.9%	62.0	349.3	94.9%
10%	Vnom	5.5	389.6	88.5%	5.6	388.4	88.7%	5.6	389.9	88.7%	5.5	388.7	89.4%	5.5	390.0	89.4%
20%	Vnom	12.3	389.9	93.1%	12.2	389.5	93.1%	12.3	389.6	93.2%	12.3	388.8	93.2%	12.3	388.5	93.3%
30%	Vnom	17.4	388.7	94.9%	17.5	388.4	94.7%	17.6	388.3	94.7%	17.8	388.7	94.7%	17.7	390.0	94.6%
50%	Vnom	29.8	389.0	97.3%	29.9	388.3	97.7%	30.4	389.2	97.8%	30.0	389.3	97.9%	30.2	388.2	98.2%
75%	Vnom	44.4	389.2	98.0%	44.3	388.7	98.0%	44.3	389.4	98.0%	44.1	388.2	98.0%	44.3	389.1	97.9%
100%	Vnom	59.0	389.7	98.3%	59.1	388.5	98.2%	58.6	389.6	98.1%	58.6	389.3	98.1%	58.9	389.8	98.1%
10%	Vmax	5.4	481.6	86.7%	5.4	481.4	86.9%	5.5	480.8	87.1%	5.2	480.1	86.9%	5.4	480.5	87.2%
20%	Vmax	12.0	480.9	92.2%	12.0	481.1	92.2%	12.1	481.6	92.2%	11.9	480.9	92.1%	12.0	479.9	92.1%
30%	Vmax	17.9	481.6	94.8%	17.6	480.4	94.7%	17.7	481.6	94.1%	17.8	480.4	94.0%	17.6	480.1	93.9%
50%	Vmax	29.1	481.5	96.6%	29.4	481.4	96.3%	29.6	481.2	96.3%	29.3	480.0	96.1%	29.5	480.8	96.1%
75%	Vmax	44.1	479.8	97.2%	43.8	481.3	97.2%	43.7	481.4	97.1%	44.1	479.9	97.0%	43.6	481.5	97.0%
100%	Vmax	59.8	481.6	97.4%	59.9	481.6	97.4%	59.5	481.5	97.4%	59.8	480.6	97.3%	59.4	480.2	97.3%

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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	5.9	348.8	86.3%	5.9	348.8	86.4%	5.9	348.8	86.4%	5.9	348.8	86.4%	6.0	348.7	86.7%
20%	Vmin	12.4	348.5	88.8%	12.4	348.7	88.8%	12.4	348.1	88.8%	12.4	346.8	88.8%	12.4	348.8	88.8%
30%	Vmin	17.6	348.2	91.8%	17.6	348.9	91.7%	17.5	347.2	91.7%	17.8	348.3	91.7%	17.8	348.2	91.7%
50%	Vmin	29.9	344.4	94.3%	29.9	345.8	94.3%	29.6	346.8	94.3%	29.7	346.5	94.2%	29.7	346.7	94.2%
75%	Vmin	43.7	347.4	94.0%	43.6	347.7	94.0%	43.3	348.0	94.0%	43.7	347.3	94.0%	43.5	349.6	93.9%
100%	Vmin	62.1	348.4	94.9%	61.6	350.1	94.9%	61.7	348.9	94.9%	61.9	349.0	94.9%	61.8	350.0	94.8%
10%	Vnom	5.5	389.2	89.8%	5.5	389.7	89.8%	5.5	390.0	89.8%	5.5	388.4	89.8%	5.6	388.3	90.1%
20%	Vnom	12.2	388.4	93.3%	12.2	389.8	93.3%	12.1	389.6	93.4%	12.1	388.9	93.4%	12.1	389.0	93.4%
30%	Vnom	17.4	388.4	94.6%	17.7	389.7	94.6%	17.6	388.4	94.6%	17.6	389.1	94.5%	17.6	389.7	94.5%
50%	Vnom	30.2	388.6	98.2%	30.3	389.7	98.2%	30.3	390.0	98.2%	30.2	389.0	98.2%	30.4	388.8	98.2%
75%	Vnom	44.1	388.5	97.9%	44.6	389.0	97.9%	44.5	389.9	97.9%	44.5	388.7	97.8%	44.5	388.7	97.8%
100%	Vnom	59.0	389.5	98.1%	58.3	389.8	98.1%	58.4	389.6	98.1%	58.6	389.7	98.0%	59.0	389.7	98.0%
10%	Vmax	5.6	481.5	87.4%	5.5	481.8	87.4%	5.5	481.8	87.7%	5.4	480.7	87.8%	5.4	481.1	87.8%
20%	Vmax	12.1	480.9	92.1%	12.1	481.3	92.0%	12.0	481.5	92.0%	12.0	480.1	91.9%	12.2	481.5	91.9%
30%	Vmax	17.9	481.9	93.9%	17.9	480.3	93.9%	17.7	481.8	93.8%	17.9	481.3	93.7%	17.8	481.2	93.8%
50%	Vmax	29.4	481.2	96.0%	29.6	481.2	96.0%	29.2	481.0	96.0%	29.3	480.4	96.0%	29.4	481.0	96.0%
75%	Vmax	43.9	480.1	97.0%	43.8	481.6	97.0%	43.8	480.4	97.0%	43.6	480.8	96.9%	43.9	480.7	96.9%
100%	Vmax	59.8	480.6	97.3%	59.7	480.5	97.3%	59.5	480.6	97.3%	59.4	481.9	97.3%	59.9	481.1	97.3%