Manufacturer: Solectria Renewables, LLC.

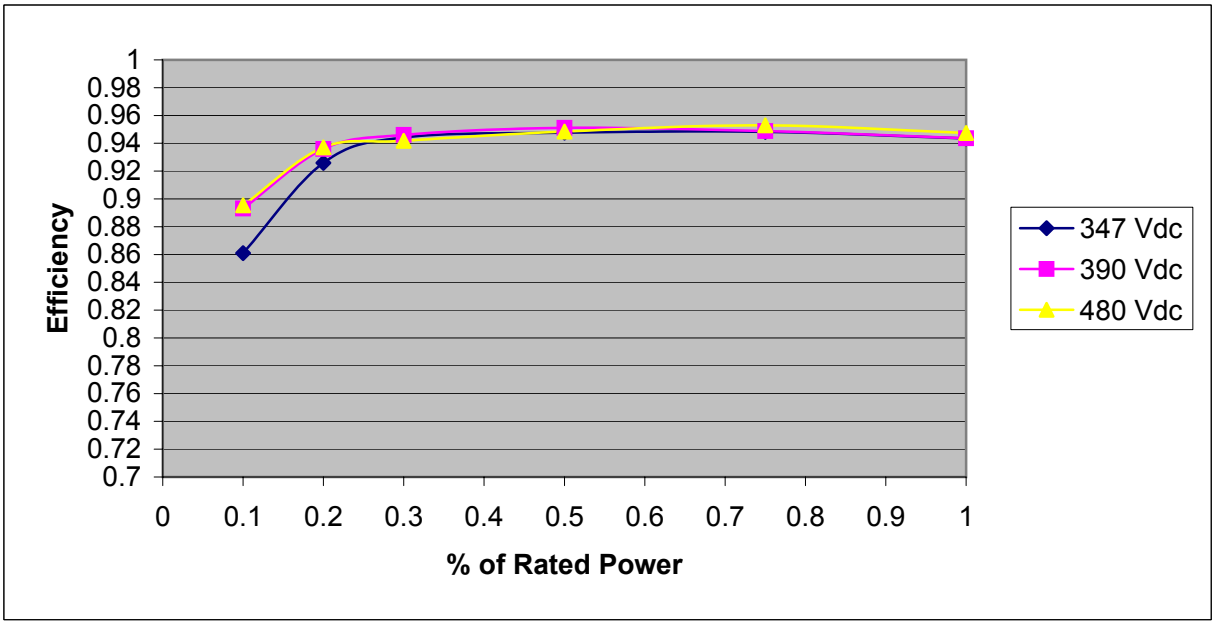
Model #: PVI90kW-208VAC

Rated Maximum Continuous Output Power: 95.47 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)		9.55	19.09	28.64	47.73	71.60	95.47	Wtd
Vmin	347	0.861	0.926	0.944	0.948	0.948	0.943	94.3%
Vnom	390	0.893	0.936	0.946	0.951	0.949	0.944	94.6%
Vmax	480	0.895	0.937	0.942	0.948	0.953	0.947	94.7%

CEC Efficiency = 94.5%



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	8.7	347.2	89.5%	8.7	347.2	89.4%	8.7	347.1	89.3%	8.7	347.2	89.2%	8.7	347.3	89.2%
20%	Vmin	18.6	347.7	94.4%	18.6	348.1	94.3%	18.7	347.3	94.2%	18.7	346.9	94.2%	18.7	348.0	94.2%
30%	Vmin	29.1	347.8	95.6%	29.3	347.8	95.6%	29.1	347.9	95.5%	29.0	346.8	95.5%	29.2	346.9	95.5%
50%	Vmin	44.7	346.5	95.6%	44.7	347.5	95.5%	44.7	346.4	95.5%	44.6	346.8	95.4%	44.6	346.6	95.4%
75%	Vmin	68.4	348.6	95.3%	68.5	349.5	95.3%	68.3	349.3	95.3%	68.3	349.3	95.3%	68.4	348.1	95.3%
100%	Vmin	90.8	349.9	94.4%	90.9	348.7	94.4%	90.9	349.4	94.4%	90.8	348.7	94.3%	91.1	349.2	94.3%
10%	Vnom	8.8	388.8	93.6%	8.8	390.4	92.9%	8.8	389.5	92.4%	8.9	388.7	92.3%	8.9	389.7	92.2%
20%	Vnom	18.4	389.6	95.4%	18.3	389.0	95.4%	18.3	388.9	95.3%	18.5	389.2	95.3%	18.2	388.6	95.2%
30%	Vnom	28.9	388.7	95.8%	28.7	388.7	95.8%	28.9	388.8	95.8%	29.0	388.8	95.6%	29.0	388.7	95.6%
50%	Vnom	44.1	389.0	96.1%	44.1	388.4	96.0%	44.2	388.6	95.8%	44.2	389.1	95.7%	44.1	388.8	95.7%
75%	Vnom	68.6	388.1	95.5%	68.6	388.7	95.4%	68.5	388.8	95.4%	68.5	388.5	95.3%	68.7	389.2	95.2%
100%	Vnom	91.4	387.8	94.4%	91.6	387.6	94.4%	91.8	387.7	94.4%	91.7	387.8	94.3%	91.7	388.4	94.3%
10%	Vmax	8.9	479.6	93.4%	8.8	479.7	92.8%	8.9	479.7	92.8%	8.9	479.5	92.8%	8.9	479.7	92.7%
20%	Vmax	18.3	479.8	95.2%	18.3	479.6	95.2%	18.3	479.6	95.5%	18.4	479.6	95.6%	18.5	479.6	95.9%
30%	Vmax	29.5	479.4	95.5%	29.5	479.4	95.4%	29.4	479.3	95.2%	29.4	479.3	95.1%	29.5	479.3	95.1%
50%	Vmax	44.2	479.4	95.8%	44.0	479.3	95.6%	44.2	479.3	95.6%	44.0	479.3	95.5%	43.9	479.3	95.5%
75%	Vmax	68.0	479.6	95.8%	67.8	479.0	95.8%	68.3	478.2	95.8%	68.3	478.9	95.7%	67.8	479.6	95.7%
100%	Vmax	90.9	478.2	94.8%	90.8	479.4	94.8%	91.1	479.3	94.8%	90.7	478.3	94.7%	90.9	478.9	94.7%

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	8.6	347.2	89.1%	8.6	347.3	89.1%	8.6	347.2	89.1%	8.6	347.2	89.1%	8.6	347.2	89.0%
20%	Vmin	18.6	346.9	94.2%	18.6	348.1	94.1%	18.6	348.1	93.9%	18.6	348.2	93.9%	18.6	348.2	93.9%
30%	Vmin	29.1	347.5	95.5%	29.0	347.6	95.5%	29.2	346.9	95.5%	29.1	347.3	95.4%	29.0	347.9	95.4%
50%	Vmin	44.7	347.1	95.4%	44.6	347.2	95.4%	44.6	346.3	95.4%	44.5	346.7	95.4%	44.4	346.8	95.3%
75%	Vmin	68.3	348.8	95.3%	68.4	349.3	95.3%	68.5	348.6	95.2%	68.1	348.6	95.2%	68.5	348.0	95.2%
100%	Vmin	91.1	349.8	94.3%	90.9	349.2	94.3%	91.0	349.2	94.2%	90.8	348.8	94.2%	91.0	349.5	94.2%
10%	Vnom	8.9	389.8	92.2%	8.9	389.9	92.2%	8.8	388.7	92.1%	8.8	389.5	92.1%	8.8	388.7	92.0%
20%	Vnom	18.4	389.2	96.8%	18.5	389.4	96.1%	18.4	389.5	95.5%	18.3	388.9	95.5%	18.4	389.5	95.4%
30%	Vnom	28.9	388.7	95.6%	29.1	388.8	95.6%	28.9	388.9	95.5%	29.0	388.9	95.5%	28.9	388.9	95.5%
50%	Vnom	44.2	389.1	95.7%	44.2	389.7	95.6%	44.0	388.4	95.6%	44.1	388.3	95.6%	43.8	388.2	95.6%
75%	Vnom	68.6	389.3	95.2%	68.7	388.7	95.2%	68.5	387.9	95.2%	68.6	388.7	95.2%	68.7	389.4	95.2%
100%	Vnom	91.5	388.5	94.3%	91.4	387.4	94.3%	91.5	388.4	94.3%	91.7	387.8	94.3%	91.0	387.9	94.3%
10%	Vmax	8.9	479.6	92.6%	8.9	479.6	92.6%	8.9	479.6	92.5%	8.9	479.6	92.5%	8.9	479.5	92.5%
20%	Vmax	18.1	479.6	95.9%	18.2	479.6	96.0%	18.3	479.5	96.1%	18.5	479.7	96.2%	18.4	479.7	96.3%
30%	Vmax	29.5	479.2	95.0%	29.4	479.3	94.9%	29.5	479.3	94.9%	29.4	479.3	94.8%	29.4	479.4	94.8%
50%	Vmax	44.1	479.4	95.4%	44.1	479.3	95.2%	44.2	479.3	95.2%	44.2	479.3	95.2%	44.2	479.3	95.2%
75%	Vmax	67.9	479.4	95.7%	68.2	478.4	95.7%	67.8	479.6	95.7%	67.9	478.9	95.7%	68.3	478.6	95.6%
100%	Vmax	90.8	479.1	94.6%	91.0	478.3	94.6%	91.1	479.1	94.6%	90.9	479.5	94.6%	91.0	478.6	94.5%