Manufacturer: SolarEdge Technologies Ltd

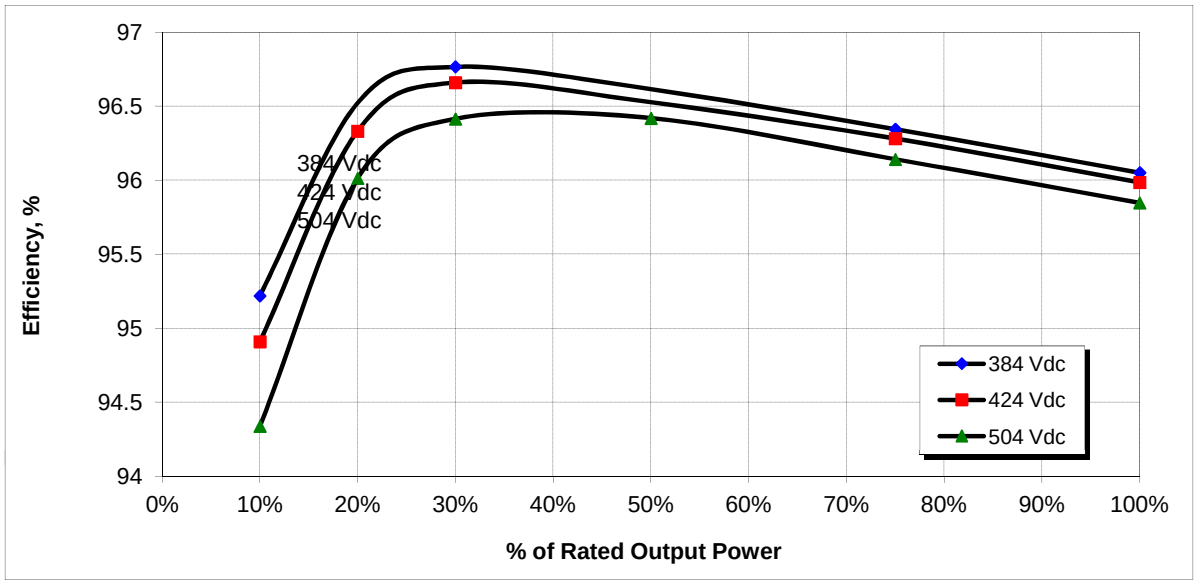
Model #: SE9K

Rated Maximum Continuous Output Power: 8.96 kW Night Tare Loss: 3.08 W

Vmin: 384 Vdc Vnom: 424 Vdc Vmax: 504 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.90	1.79	2.69	4.48	6.72	8.96	Wtd
Vmin	384	95.2	96.5	96.8	96.6	96.3	96.1	96.4
Vnom	424	94.9	96.3	96.7	96.5	96.3	96.0	96.3
Vmax	504	94.3	96.0	96.4	96.4	96.1	95.8	96.1

CEC Efficiency = 96.5%



All Efficiency data is within 3 standard deviations from the average? Pass

All output power levels are within tolerances during Efficiency Test? Pass

Equipment Used:

Asset #	Description	Mfg	Model	Serial	Cal Date	Cal Due
None	Power Analyzer	Zimmer	LMG500	8551202	13-May-13	13-May-14
None	Data Logger	Keithley	2701	1199086	16-May-13	16-May-14

Test Engineer: Scott Keefe DATE: 31-May-13

Reviwe Engineer: Steven Pasternack DATE: 31-May-13

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	0.8278	386.35	95.204	0.829	386.42	95.241	0.828	386.67	95.231	0.828	386.65	95.233	0.828	386.65	95.186
20%	Vmin	1.7419	386.66	96.527	1.741	386.58	96.510	1.741	386.64	96.521	1.742	386.59	96.523	1.742	386.6	96.534
30%	Vmin	2.7574	386.37	96.764	2.757	386.59	96.773	2.758	386.69	96.772	2.757	386.64	96.766	2.757	386.65	96.758
50%	Vmin	4.1023	386.51	96.612	4.103	386.44	96.612	4.103	386.56	96.613	4.103	386.54	96.610	4.103	386.6	96.632
75%	Vmin	6.3806	386.64	96.335	6.381	386.65	96.338	6.383	386.63	96.351	6.382	386.58	96.352	6.381	386.66	96.349
100%	Vmin	8.5981	386.8	96.054	8.597	386.79	96.056	8.599	386.74	96.057	8.599	386.8	96.050	8.598	386.79	96.038
10%	Vnom	0.8228	426.54	94.927	0.822	426.5	94.883	0.822	426.54	94.878	0.824	426.52	94.912	0.824	426.84	94.944
20%	Vnom	1.7404	426.52	96.326	1.742	426.58	96.333	1.741	426.5	96.333	1.742	426.56	96.328	1.741	426.56	96.339
30%	Vnom	2.7561	426.72	96.656	2.757	426.75	96.664	2.758	426.78	96.655	2.757	426.73	96.662	2.756	426.75	96.659
50%	Vnom	4.1035	426.73	96.524	4.104	426.76	96.529	4.103	426.73	96.519	4.104	426.8	96.536	4.104	426.76	96.523
75%	Vnom	6.3863	426.84	96.275	6.387	426.81	96.280	6.386	426.76	96.285	6.386	426.81	96.284	6.386	426.8	96.279
100%	Vnom	8.6086	426.84	95.990	8.608	426.94	95.990	8.606	426.84	95.978	8.608	426.92	95.984	8.606	426.86	95.981
10%	Vmax	0.8199	506.73	94.425	0.819	507.05	94.320	0.819	507.01	94.327	0.819	507.1	94.273	0.819	507.06	94.339
20%	Vmax	1.7336	506.68	96.002	1.734	506.71	96.019	1.733	506.7	96.008	1.734	506.68	96.017	1.733	506.7	96.018
30%	Vmax	2.7502	506.92	96.417	2.749	506.85	96.401	2.751	506.92	96.410	2.751	506.94	96.421	2.75	506.99	96.421
50%	Vmax	4.1001	506.99	96.417	4.099	507.04	96.421	4.1	507.01	96.416	4.099	506.97	96.410	4.099	506.99	96.428
75%	Vmax	6.3866	506.93	96.139	6.388	506.97	96.140	6.387	506.9	96.143	6.387	506.87	96.140	6.388	506.9	96.143
100%	Vmax	8.6173	507.07	95.853	8.615	506.99	95.849	8.616	507.02	95.848	8.617	507.09	95.846	8.616	507.05	95.836

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															
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															