Manufacturer: SolarEdge Technologies Ltd

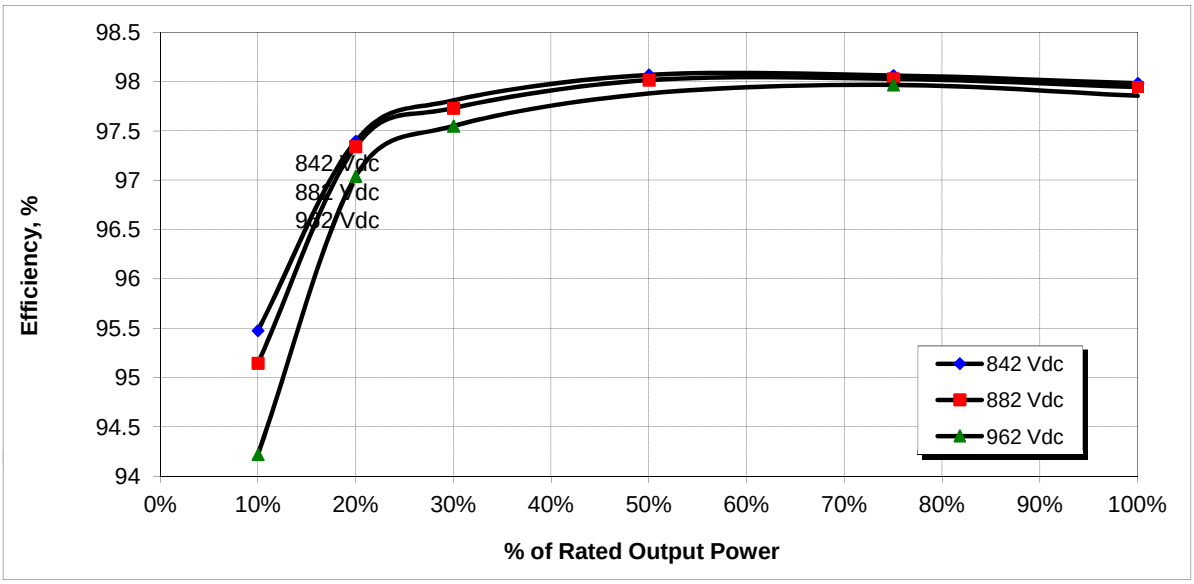
Model #: SE10K

Rated Maximum Continuous Output Power: 9.85 kW Night Tare Loss: 3.13 W

Vmin: 842 Vdc Vnom: 882 Vdc Vmax: 962 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.98	1.97	2.95	4.92	7.38	9.85	Wtd
Vmin	842	95.5	97.4	97.8	98.1	98.1	98.0	97.9
Vnom	882	95.1	97.3	97.7	98.0	98.0	97.9	97.8
Vmax	962	94.2	97.0	97.5	97.9	98.0	97.9	97.7

CEC Efficiency = 98.0%



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	0.9098	845.36	95.471	0.908	845.35	95.478	0.908	845.3	95.471	0.91	845.93	95.476	0.911	845.98	95.483
20%	Vmin	2.0548	845.31	97.387	2.056	845.31	97.400	2.056	845.37	97.403	2.056	845.29	97.397	2.057	845.34	97.393
30%	Vmin	3.0395	845.26	97.804	3.042	845.98	97.811	3.043	845.88	97.811	3.042	845.91	97.811	3.041	845.86	97.807
50%	Vmin	5.0609	845.79	98.066	5.065	845.83	98.069	5.063	845.79	98.068	5.064	845.79	98.066	5.064	845.84	98.068
75%	Vmin	7.573	845.01	98.062	7.572	845.07	98.063	7.573	845.07	98.062	7.572	845.06	98.061	7.571	845.09	98.060
100%	Vmin	10.107	845.74	97.984	10.11	845.73	97.980	10.11	845.69	97.985	10.11	845.71	97.980	10.11	845.05	97.982
10%	Vnom	0.9068	885.48	95.151	0.905	885.4	95.140	0.905	885.38	95.146	0.907	885.38	95.143	0.906	885.42	95.145
20%	Vnom	2.0529	885.35	97.340	2.052	885.34	97.348	2.052	885.36	97.339	2.052	885.32	97.341	2.052	885.29	97.339
30%	Vnom	3.0422	885.38	97.725	3.042	885.43	97.735	3.043	885.37	97.738	3.041	885.45	97.734	3.043	885.35	97.724
50%	Vnom	5.0623	885.91	98.018	5.06	885.94	98.015	5.061	885.95	98.015	5.061	885.98	98.018	5.058	885.94	98.010
75%	Vnom	7.5681	885.08	98.038	7.567	885.08	98.025	7.568	885.08	98.027	7.568	885.08	98.027	7.569	885.16	98.022
100%	Vnom	10.107	885.7	97.947	10.11	885.84	97.945	10.11	885.81	97.943	10.11	885.7	97.942	10.11	885.06	97.946
10%	Vmax	0.8991	965.58	94.213	0.902	965.68	94.227	0.9	965.62	94.221	0.899	965.65	94.211	0.9	965.6	94.226
20%	Vmax	2.0481	965.42	97.031	2.047	965.51	97.040	2.05	965.55	97.045	2.047	965.47	97.043	2.047	965.5	97.045
30%	Vmax	3.0351	965.36	97.550	3.035	965.41	97.550	3.037	965.44	97.548	3.037	965.41	97.550	3.036	965.38	97.549
50%	Vmax	5.0534	966	97.883	5.053	966.15	97.878	5.054	966.06	97.882	5.056	966.05	97.885	5.055	966.03	97.875
75%	Vmax	7.561	965.17	97.971	7.561	965.14	97.969	7.562	965.11	97.965	7.559	965.08	97.966	7.559	965.87	97.966
100%	Vmax	10.1	965.73	97.859	10.1	965.79	97.855	10.1	965.81	97.855	10.1	965.77	97.858	10.1	965.79	97.857

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															