Manufacturer: SolarEdge Technologies

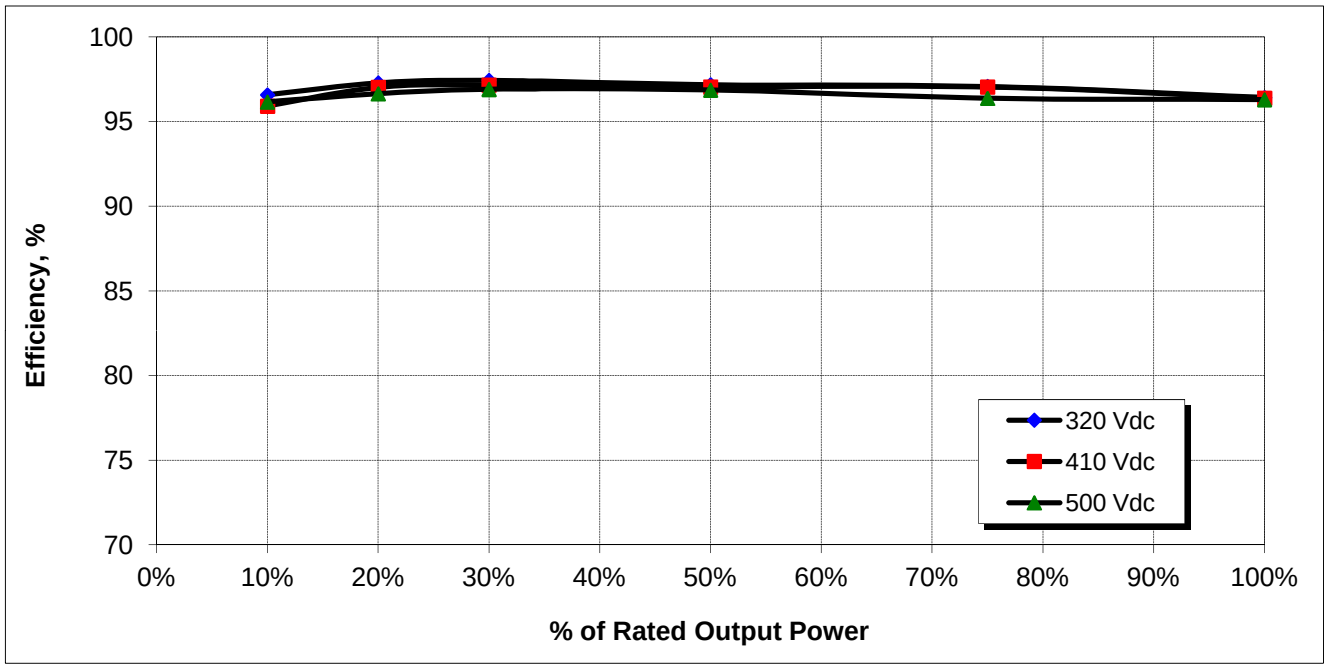
Model #: SE6000 (208V)

Rated Maximum Continuous Output Power: 5.33 kW Night Tare Loss: -5.22 W

Vmin: 320 Vdc Vnom: 410 Vdc Vmax: 500 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.53	1.07	1.60	2.66	3.99	5.33	Wtd
Vmin	320	96.6	97.3	97.4	97.2	97.1	96.4	97.1
Vnom	410	95.9	97.0	97.2	97.0	97.0	96.4	97.0
Vmax	500	96.2	96.6	96.9	96.9	96.4	96.3	96.5

CEC Efficiency = 97.0%



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)	(%)	(W)	(Vdc)	(%)
10%	Vmin	0.4738	319.97	96.56289	0.474	320.01	96.5425	0.475	319.95	96.55164	0.475	319.9	96.61613	0.475	319.89	96.60471
20%	Vmin	0.9907	319.49	97.2773	0.99	319.26	97.18123	0.994	319.27	97.34667	0.994	319.37	97.28335	0.996	319.4	97.32834
30%	Vmin	1.5389	319.55	97.45828	1.542	319.39	97.52535	1.541	319.18	97.32294	1.544	319.47	97.45912	1.544	319.45	97.4171
50%	Vmin	2.4657	319.99	97.23323	2.466	319.93	97.15642	2.467	320.08	97.1627	2.468	320.03	97.1897	2.468	319.99	97.1272
75%	Vmin	3.7642	319.66	97.02235	3.764	319.53	97.0281	3.763	319.8	97.05195	3.765	319.64	97.09945	3.766	319.66	97.15544
100%	Vmin	5.1944	318.12	96.42627	5.194	318.13	96.42342	5.194	318.13	96.42273	5.194	318.14	96.42223	5.194	318.14	96.42008
10%	Vnom	0.4671	410.02	95.7399	0.468	409.55	95.99897	0.468	409.68	95.97422	0.469	409.72	95.87954	0.469	409.95	95.97474
20%	Vnom	0.9697	409.41	97.00648	0.97	409.52	97.02386	0.97	409.45	97.01997	0.97	409.12	97.02487	0.97	409.25	97.0042
30%	Vnom	1.5561	408.87	97.18518	1.553	409.32	97.11705	1.556	409.27	97.12671	1.557	409.35	97.17714	1.557	409.28	97.16408
50%	Vnom	2.4518	408.62	97.0264	2.453	407.97	97.04657	2.452	408.07	97.05495	2.453	408.21	97.0671	2.451	408.26	97.04416
75%	Vnom	3761.4	410.53	96.88503	3.761	410.6	96.96225	3.764	410.71	97.06294	3.767	410.78	97.14652	3.77	410.96	97.15425
100%	Vnom	5102.2	410.49	96.34357	5.101	410.29	96.34539	5.1	410.04	96.36859	5.1	410.22	96.39333	5.101	410.36	96.42869
10%	Vmax	0.4661	481.01	95.80667	0.468	480.84	95.64753	0.48	481.22	97.8474	0.466	482.08	95.69844	0.47	482.3	95.79367
20%	Vmax	0.9612	482.88	96.64288	0.963	480.51	96.64871	0.958	483.45	96.64957	0.952	489.1	96.58339	0.959	483.12	96.65797
30%	Vmax	1.5524	489.55	96.89033	1.554	489.93	96.92526	1.552	491.48	96.88485	1.552	495.29	96.8942	1.552	495.35	96.88825
50%	Vmax	2.4394	492.36	96.85691	2.439	492.77	96.85547	2.438	492.56	96.85182	2.438	492.63	96.85496	2.438	492.77	96.87849
75%	Vmax	3.687	489.9	96.47958	3.684	489.79	96.36065	3.68	489.7	96.28813	3.679	489.57	96.32084	3.678	489.68	96.40633
100%	Vmax	5.1153	485.16	96.21459	5.116	485.35	96.26504	5.119	485.44	96.31722	5.12	485.45	96.34154	5.121	485.67	96.318

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															