Manufacturer: SolarEdge Technologies

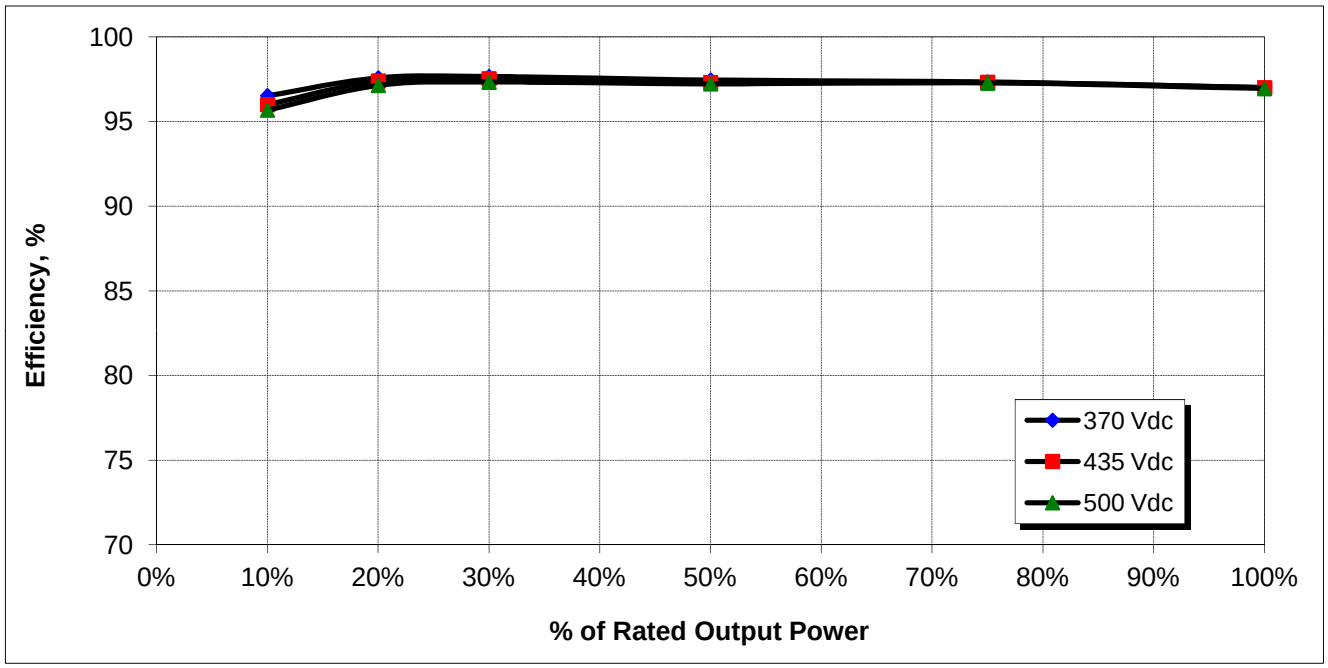
Model #: SE6000 (240V)

Rated Maximum Continuous Output Power: 5.994 kW Night Tare Loss: -3.52 W

Vmin: 370 Vdc Vnom: 435 Vdc Vmax: 500 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.60	1.20	1.80	3.00	4.50	5.99	Wtd
Vmin	370	96.5	97.6	97.7	97.5	97.3	97.0	97.4
Vnom	435	96.0	97.4	97.5	97.3	97.3	97.0	97.3
Vmax	500	95.7	97.1	97.3	97.2	97.3	96.9	97.2

CEC Efficiency = 97.5%



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	0.4734	370.09	96.53294	0.473	370.25	96.43182	0.474	370.3	96.66561	0.473	370.24	96.50976	0.474	370.24	96.50283
20%	Vmin	1.1723	369.09	97.55882	1.173	369.09	97.58039	1.172	368.98	97.47315	1.173	369.08	97.57451	1.174	369.2	97.70845
30%	Vmin	1.8925	369.36	97.67119	1.894	369.3	97.65873	1.895	369.38	97.67133	1.896	369.34	97.65703	1.896	369.26	97.64266
50%	Vmin	3.1535	369.83	97.46108	3.152	369.84	97.46555	3.154	369.82	97.47164	3.152	369.75	97.46769	3.152	369.68	97.39001
75%	Vmin	4.6565	366.06	97.34513	4.657	366.37	97.3428	4.66	369.15	97.34653	4.652	369.39	97.32713	4.652	369.44	97.31503
100%	Vmin	5.6035	367.85	96.99894	5.606	367.43	97.0121	5.605	367.26	96.99313	5.606	367.54	96.99723	5.607	367.49	97.01123
10%	Vnom	0.4718	434.64	95.99902	0.472	434.67	95.98278	0.472	434.67	96.01675	0.472	434.68	96.03977	0.471	434.68	95.94457
20%	Vnom	1.1661	434.47	97.31813	1.167	434.46	97.49951	1.166	434.44	97.35694	1.166	434.47	97.36381	1.166	434.4	97.45683
30%	Vnom	1.8942	434.14	97.54236	1.895	433.87	97.59081	1.894	433.8	97.53145	1.894	433.92	97.52778	1.895	434.01	97.50941
50%	Vnom	3.1541	434.57	97.31141	3.154	434.61	97.32539	3.155	434.64	97.33551	3.155	434.89	97.31073	3.158	434.82	97.29335
75%	Vnom	4.6414	434.26	97.33555	4.641	434.16	97.32364	4.641	434.2	97.32326	4.64	434.32	97.28662	4.642	434.14	97.32952
100%	Vnom	5.5891	429.37	97.01645	5.59	429.62	97.00385	5.591	429.47	97.02596	5.59	429.67	97.0137	5.589	429.61	96.99776
10%	Vmax	0.4721	478.58	95.63691	0.469	475.7	95.69474	0.469	475.63	95.73011	0.469	476.28	95.64395	0.468	475.56	95.6815
20%	Vmax	1.1588	493.75	97.1149	1.157	496.65	97.13223	1.156	496.33	97.1422	1.155	496.69	97.14136	1.153	496.88	97.1264
30%	Vmax	1.8813	494.43	97.34672	1.88	494.07	97.32333	1.879	494.23	97.32303	1.879	494.28	97.31755	1.878	494.11	97.32547
50%	Vmax	3.1202	493.15	97.21448	3.121	493.2	97.24226	3.119	493.3	97.20426	3.119	492.76	97.21816	3.119	493.2	97.24112
75%	Vmax	4.6516	490.32	97.28531	4.651	490.57	97.25785	4.649	490.35	97.27155	4.648	489.94	97.2889	4.648	490.12	97.27245
100%	Vmax	5.557	491.16	96.95796	5.557	491.37	96.94714	5.556	491.27	96.95484	5.555	491.16	96.935	5.553	491.2	96.93699

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															