Manufacturer: SolarEdge Technologies

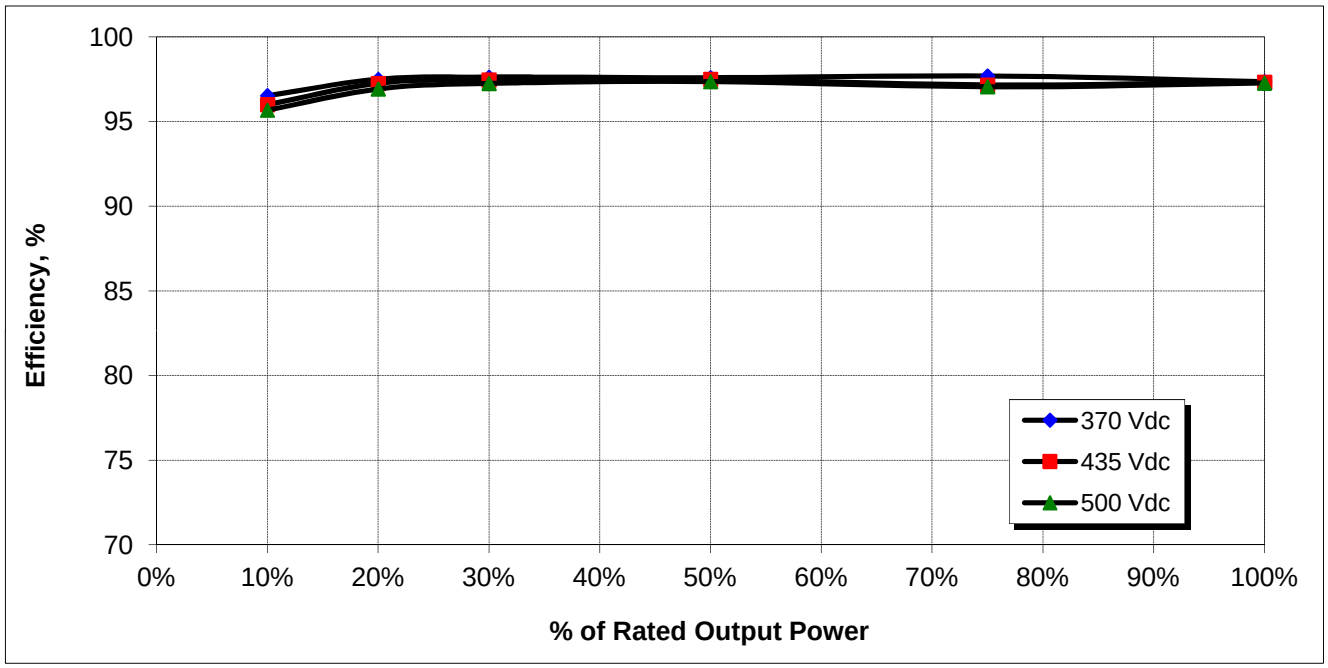
Model #: SE5000 (240V)

Rated Maximum Continuous Output Power: 4.975 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)		0.50	1.00	1.49	2.49	3.73	4.98	Wtd
Vmin	370	96.5	97.5	97.6	97.6	97.7	97.4	97.6
Vnom	435	96.0	97.3	97.5	97.5	97.2	97.3	97.2
Vmax	500	95.7	96.9	97.3	97.4	97.1	97.3	97.1

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	0.975	369.01	97.4652	0.977	369.09	97.54163	0.977	369.23	97.50637	0.978	369.24	97.43593	0.979	369.09	97.54245
30%	Vmin	1.4693	369.04	97.46647	1.473	369.12	97.70413	1.475	369.04	97.65911	1.474	369.16	97.63207	1.474	369.07	97.68117
50%	Vmin	2.4831	369.16	97.60661	2.484	369.03	97.5505	2.484	368.99	97.56392	2.486	369.04	97.6256	2.485	369.06	97.59367
75%	Vmin	3.8217	368.59	97.68909	3.825	368.43	97.72627	3.822	368.55	97.66313	3.824	368.57	97.69288	3.823	368.62	97.69187
100%	Vmin	4.7222	369.18	97.35906	4.723	369.31	97.36853	4.723	369.34	97.34879	4.724	369.32	97.34642	4.724	369.21	97.36925
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	0.9752	435.14	97.19554	0.976	435.17	97.32733	0.975	435.12	97.19467	0.976	435.26	97.24378	0.975	435.23	97.30995
30%	Vnom	1.4855	434.18	97.43003	1.487	434.25	97.45622	1.486	434.32	97.45955	1.486	434.22	97.46741	1.486	434.16	97.48122
50%	Vnom	2.4778	434.5	97.49542	2.476	434.48	97.51142	2.477	434.24	97.50882	2.475	434.2	97.42977	2.478	434.32	97.49615
75%	Vnom	3.822	432.92	97.15001	3.821	432.88	97.15653	3.82	432.9	97.16023	3.821	433.01	97.18797	3.82	432.95	97.15201
100%	Vnom	4.6968	433.75	97.33678	4.697	434.05	97.31068	4.697	433.97	97.32571	4.696	433.89	97.3119	4.697	434.05	97.331
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	0.9574	494.61	97.05301	0.947	495.05	96.78991	0.947	495.06	96.97471	0.945	494.92	96.92475	0.947	495.14	96.8637
30%	Vmax	1.4638	494.97	97.22347	1.463	494.74	97.28189	1.463	494.93	97.21827	1.463	494.81	97.28092	1.462	493.93	97.26088
50%	Vmax	2.4646	494.65	97.3549	2.462	495.08	97.3522	2.461	495.04	97.36336	2.459	494.72	97.36841	2.458	494.65	97.35189
75%	Vmax	3.7777	491.8	97.07337	3.776	491.81	97.04645	3.776	492	97.06374	3.776	492.07	97.0511	3.781	491.93	97.03671
100%	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

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															