Manufacturer: SolarEdge Technologies Ltd

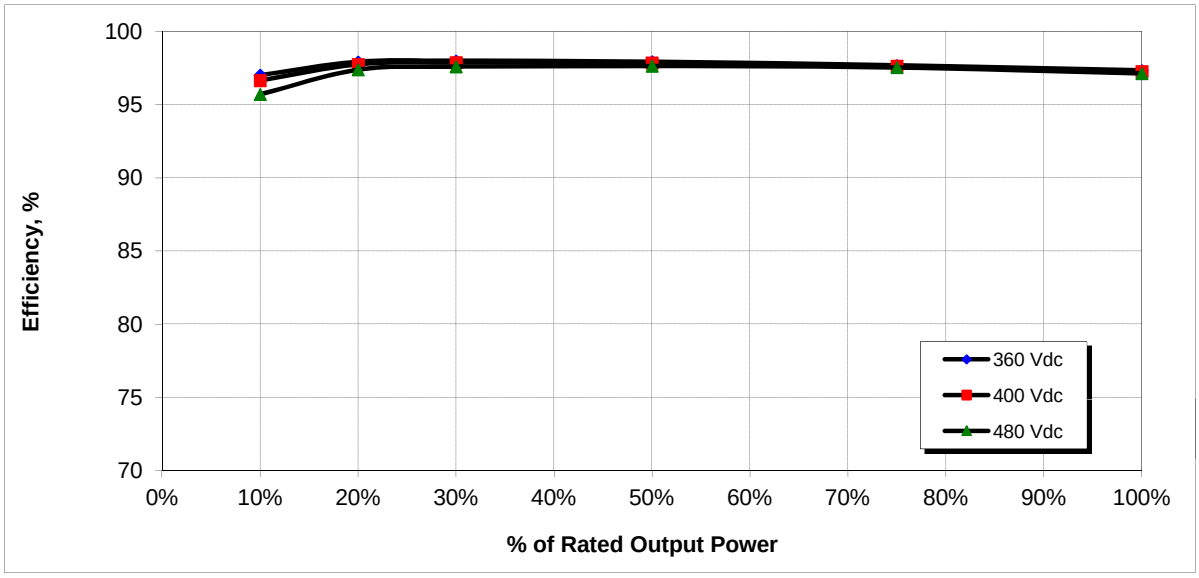
Model #: SE7600

Rated Maximum Continuous Output Power: 7.625 kW Night Tare Loss: -2.16 W

Vmin: 360 Vdc Vnom: 400 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.76	1.53	2.29	3.81	5.72	7.63	Wtd
Vmin	360	97.0	97.9	98.0	97.9	97.7	97.3	97.7
Vnom	400	96.6	97.8	97.9	97.9	97.6	97.3	97.7
Vmax	480	95.7	97.4	97.6	97.6	97.5	97.1	97.5

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)	(%)	(kW)	(Vdc)	(%)
10%	Vmin	0.6775	361.44	97.019	0.678	361.45	97.016	0.678	361.46	97.016	0.678	361.39	97.011	0.678	361.26	97.008
20%	Vmin	1.6177	361.47	97.926	1.618	361.43	97.922	1.618	361.42	97.924	1.619	361.46	97.922	1.618	361.43	97.923
30%	Vmin	2.4241	361.31	97.990	2.424	361.29	97.990	2.424	361.28	97.990	2.423	361.32	97.991	2.424	361.35	97.991
50%	Vmin	3.5448	361.2	97.927	3.545	361.38	97.930	3.545	361.23	97.932	3.545	361.43	97.933	3.545	361.29	97.933
75%	Vmin	5.4558	361.32	97.677	5.456	361.35	97.680	5.456	361.4	97.683	5.456	361.51	97.686	5.456	361.28	97.688
100%	Vmin	7.3454	361.34	97.331	7.345	361.45	97.332	7.345	361.28	97.331	7.345	361.42	97.331	7.345	361.34	97.331
10%	Vnom	0.6762	400.75	96.649	0.675	400.78	96.650	0.675	400.76	96.651	0.675	400.99	96.641	0.675	400.84	96.648
20%	Vnom	1.6164	401.24	97.765	1.615	400.88	97.766	1.616	401.26	97.766	1.615	401.3	97.766	1.614	401.71	97.703
30%	Vnom	2.4219	401.06	97.881	2.422	401.11	97.879	2.422	401.09	97.880	2.422	401.1	97.879	2.422	401.15	97.879
50%	Vnom	3.5421	401	97.851	3.543	401.05	97.850	3.542	401.05	97.851	3.542	401.07	97.851	3.541	401.07	97.851
75%	Vnom	5.4535	401.04	97.630	5.454	401.2	97.631	5.455	401	97.633	5.454	401.06	97.634	5.454	401.08	97.635
100%	Vnom	7.3399	401.12	97.273	7.34	401.13	97.273	7.34	401.08	97.274	7.341	401.07	97.274	7.34	401.08	97.275
10%	Vmax	0.6646	480.41	95.694	0.665	480.62	95.704	0.665	480.44	95.713	0.664	480.13	95.708	0.664	480.16	95.709
20%	Vmax	1.6029	480.44	97.387	1.604	480.45	97.383	1.604	480.28	97.384	1.604	480.65	97.382	1.604	480.64	97.381
30%	Vmax	2.4134	480.59	97.596	2.413	480.57	97.597	2.413	480.6	97.595	2.413	480.58	97.598	2.413	480.61	97.596
50%	Vmax	3.529	480.52	97.637	3.529	480.51	97.636	3.529	480.49	97.636	3.529	480.45	97.636	3.53	480.43	97.636
75%	Vmax	5.4436	480.42	97.544	5.444	480.49	97.543	5.443	480.49	97.543	5.444	480.51	97.543	5.444	480.5	97.542
100%	Vmax	7.3245	480.54	97.128	7.325	480.56	97.127	7.326	480.55	97.127	7.325	480.51	97.127	7.324	480.49	97.128

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															