Manufacturer: SolarEdge Technologies Ltd

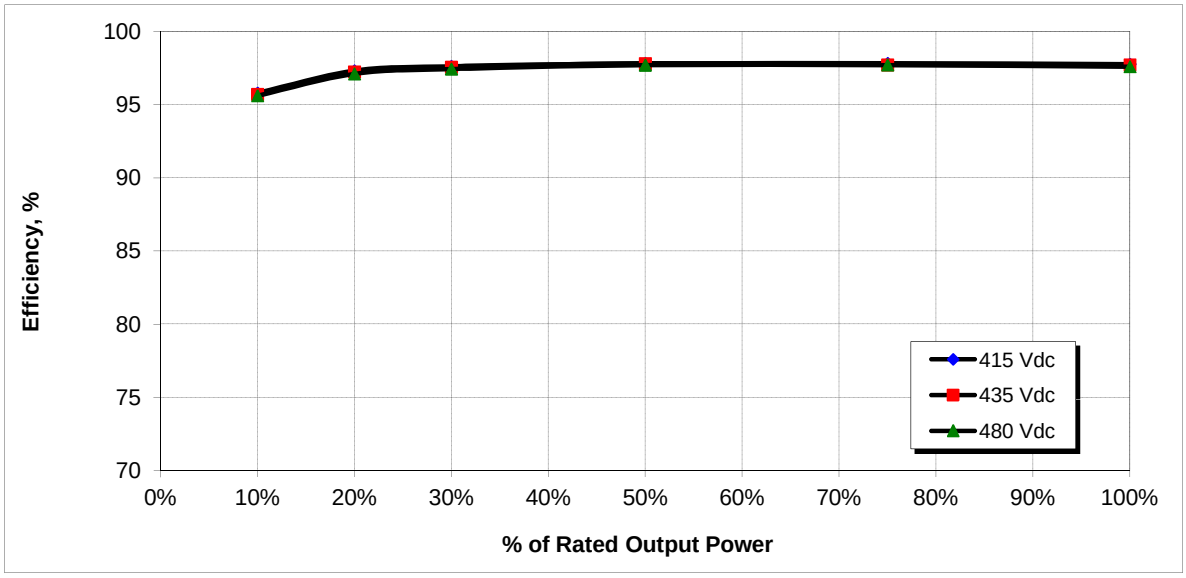
Model #: SE7600-US @277Vac

Rated Maximum Continuous Output Power: 7.600 kW Night Tare Loss: -6.03 W

Vmin: 415 Vdc Vnom: 435 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.76	1.52	2.28	3.80	5.70	7.60	Wtd
Vmin	415	95.8	97.3	97.6	97.8	97.8	97.8	97.7
Vnom	435	95.7	97.3	97.6	97.8	97.7	97.7	97.6
Vmax	480	95.6	97.1	97.4	97.7	97.7	97.6	97.6

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	0.69	416.5	95.790	0.69	416.76	95.800	0.69	416.76	95.810	0.69	416.82	95.820	0.69	416.78	95.790
20%	Vmin	1.61	416.64	97.320	1.61	416.63	97.320	1.61	416.57	97.330	1.61	416.57	97.320	1.61	416.59	97.330
30%	Vmin	2.41	416.63	97.630	2.41	416.64	97.620	2.41	416.62	97.620	2.41	416.55	97.630	2.41	416.53	97.620
50%	Vmin	4.13	416.79	97.820	4.13	416.76	97.820	4.13	416.77	97.820	4.13	416.61	97.820	4.13	416.67	97.820
75%	Vmin	5.43	416.55	97.830	5.43	416.62	97.830	5.43	416.74	97.830	5.43	416.61	97.830	5.43	416.68	97.820
100%	Vmin	7.32	416.62	97.770	7.32	416.65	97.770	7.33	416.64	97.770	7.32	416.69	97.770	7.33	416.66	97.770
10%	Vnom	0.69	436.75	95.690	0.69	436.72	95.720	0.69	436.74	95.700	0.69	436.62	95.700	0.69	436.63	95.750
20%	Vnom	1.61	436.68	97.250	1.61	436.67	97.250	1.61	436.7	97.250	1.61	436.69	97.250	1.61	436.74	97.250
30%	Vnom	2.41	436.55	97.560	2.41	436.61	97.560	2.41	436.58	97.560	2.41	436.55	97.560	2.41	436.61	97.560
50%	Vnom	4.13	436.59	97.810	4.13	436.64	97.820	4.13	436.62	97.810	4.13	436.57	97.810	4.13	436.53	97.820
75%	Vnom	5.43	436.55	97.720	5.43	436.65	97.720	5.43	436.55	97.730	5.43	436.61	97.720	5.43	436.64	97.730
100%	Vnom	7.32	436.45	97.720	7.32	436.48	97.720	7.32	436.53	97.720	7.32	436.59	97.720	7.32	436.55	97.720
10%	Vmax	0.69	481.58	95.600	0.69	481.5	95.640	0.69	481.34	95.610	0.69	481.34	95.590	0.69	481.35	95.610
20%	Vmax	1.61	481.43	97.110	1.61	481.42	97.110	1.61	481.47	97.090	1.61	481.46	97.110	1.61	481.4	97.110
30%	Vmax	2.4	481.22	97.440	2.41	481.27	97.430	2.4	481.19	97.440	2.4	481.29	97.440	2.41	481.27	97.430
50%	Vmax	4.12	481.3	97.710	4.12	481.42	97.700	4.12	481.38	97.700	4.12	481.32	97.710	4.12	481.33	97.700
75%	Vmax	5.43	481.42	97.710	5.43	481.43	97.710	5.43	481.41	97.710	5.43	481.42	97.710	5.43	481.37	97.710
100%	Vmax	7.32	481.33	97.600	7.31	481.29	97.600	7.31	481.29	97.600	7.32	481.36	97.600	7.31	481.36	97.600

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															