Manufacturer: SolarEdge Technology

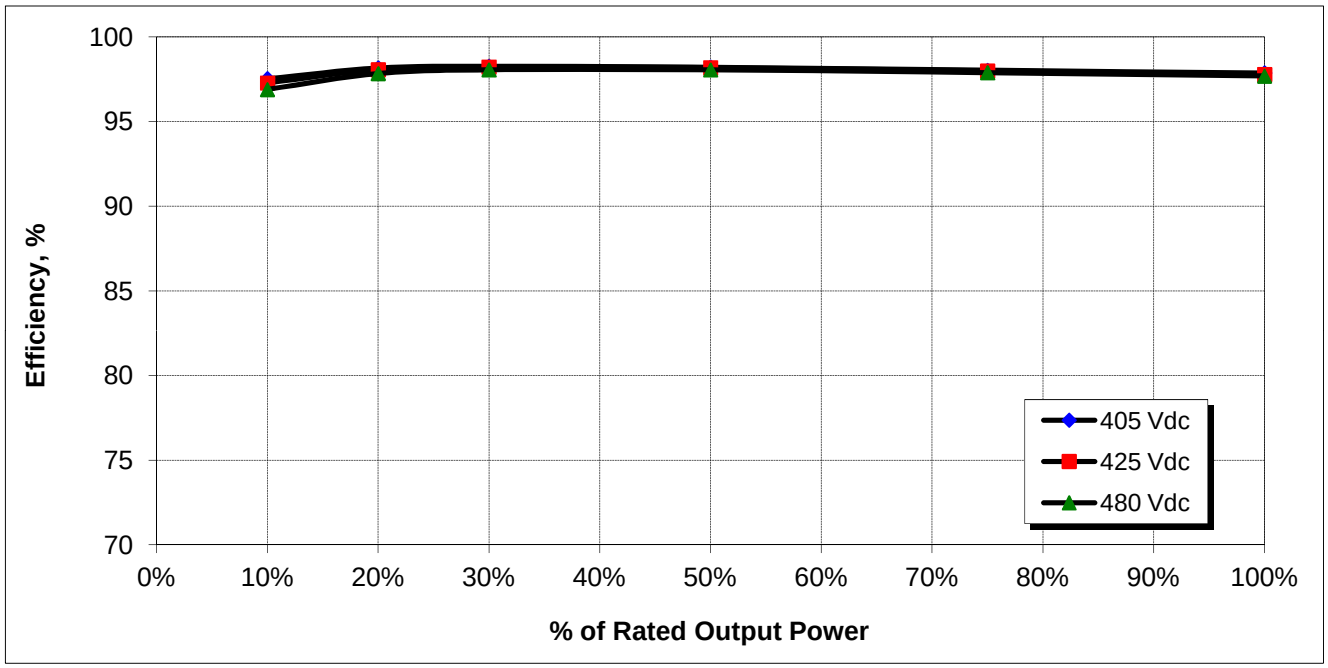
Model #: SE6000

Rated Maximum Continuous Output Power: 6.04 kW Night Tare Loss: -2.74 W

Vmin: 405 Vdc Vnom: 425 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.60	1.21	1.81	3.02	4.53	6.04	Wtd
Vmin	405	97.5	98.2	98.3	98.2	98.0	97.9	98.1
Vnom	425	97.3	98.1	98.2	98.2	98.0	97.8	98.0
Vmax	480	96.9	97.8	98.1	98.1	97.9	97.7	97.9

CEC Efficiency = 98.0%



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	0.5857	405.4	97.526	0.585	405.4	97.521	0.585	405.41	97.529	0.587	405.39	97.526	0.586	405.4	97.528
20%	Vmin	1.218	405.42	98.175	1.217	405.44	98.162	1.217	405.44	98.161	1.217	405.44	98.164	1.219	405.42	98.164
30%	Vmin	1.825	405.42	98.261	1.825	405.44	98.261	1.824	405.45	98.267	1.823	405.46	98.264	1.824	405.44	98.268
50%	Vmin	3.032	405.46	98.212	3.034	405.46	98.214	3.034	405.47	98.213	3.034	405.48	98.214	3.033	405.49	98.214
75%	Vmin	4.544	405.5	98.040	4.55	405.5	98.032	4.551	405.54	98.030	4.558	405.51	98.028	4.559	405.54	98.030
100%	Vmin	6.005	405.64	97.878	6.006	405.62	97.879	6.004	405.64	97.877	6.004	405.63	97.878	6.005	405.63	97.877
10%	Vnom	0.5679	425.41	97.282	0.568	425.4	97.255	0.569	425.39	97.294	0.568	425.4	97.270	0.567	425.41	97.283
20%	Vnom	1.2057	425.44	98.064	1.206	425.44	98.059	1.206	425.42	98.065	1.205	425.43	98.071	1.204	425.45	98.057
30%	Vnom	1.811	425.45	98.220	1.81	425.46	98.218	1.81	425.46	98.224	1.811	425.45	98.226	1.811	425.44	98.221
50%	Vnom	3.014	425.47	98.178	3.015	425.47	98.179	3.017	425.46	98.175	3.015	425.48	98.177	3.017	425.48	98.175
75%	Vnom	4.538	425.41	97.993	4.54	425.42	97.992	4.543	425.4	97.996	4.543	425.43	97.989	4.544	425.42	97.991
100%	Vnom	6.006	425.42	97.787	6.005	425.44	97.784	6.006	425.43	97.786	6.007	425.43	97.787	6.006	425.44	97.787
10%	Vmax	0.5563	480.45	96.886	0.557	480.43	96.905	0.557	480.44	96.885	0.556	480.45	96.878	0.559	480.43	96.901
20%	Vmax	1.2037	480.46	97.836	1.202	480.48	97.838	1.203	480.48	97.834	1.204	480.47	97.835	1.203	480.48	97.833
30%	Vmax	1.813	480.46	98.050	1.811	480.46	98.054	1.811	480.47	98.048	1.81	480.47	98.052	1.811	480.46	98.057
50%	Vmax	3.006	480.49	98.055	3.009	480.49	98.052	3.009	480.49	98.052	3.007	480.51	98.048	3.008	480.52	98.051
75%	Vmax	4.531	480.53	97.885	4.536	480.53	97.882	4.537	480.55	97.887	4.54	480.53	97.888	4.541	480.53	97.887
100%	Vmax	5.969	480.6	97.686	5.967	480.6	97.688	5.966	480.59	97.683	5.967	480.57	97.683	5.965	480.57	97.686

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															