Manufacturer: Solar Liberty, Inc.

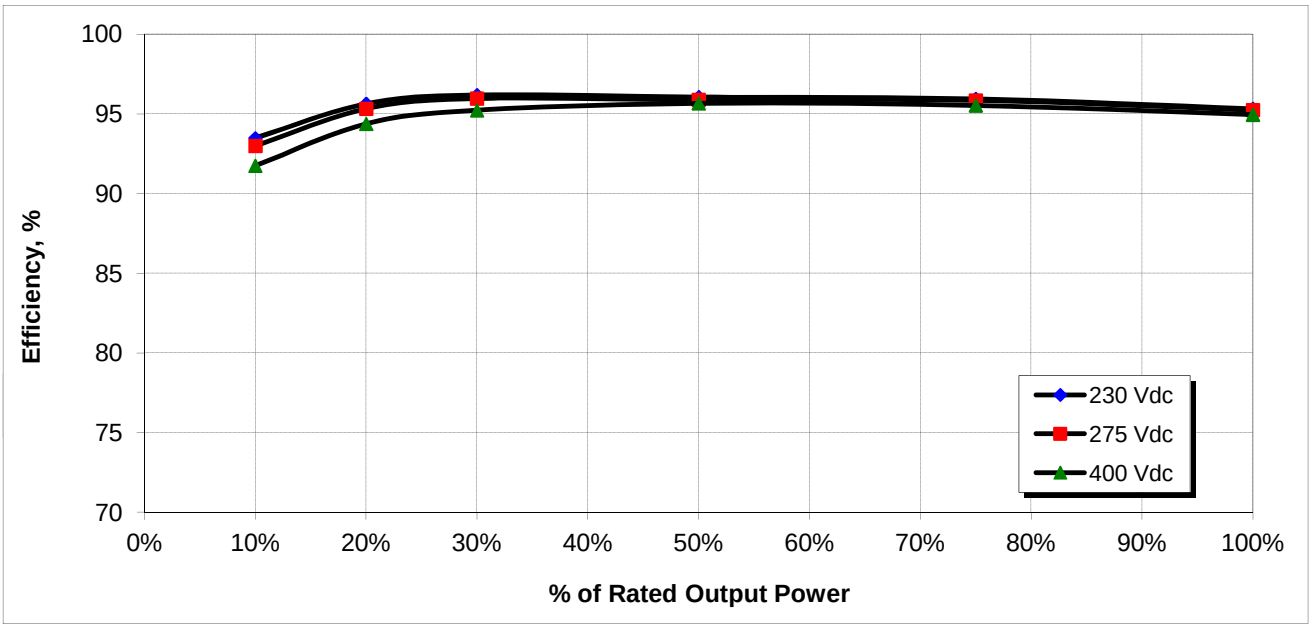
Model #: SLX 5300 (240Vac)

Rated Maximum Continuous Output Power: 4.6 kW Night Tare Loss: 13.95 W

Vmin: 230 Vdc Vnom: 275 Vdc Vmax: 400 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.46	0.92	1.38	2.30	3.45	4.60	Wtd
Vmin	230	93.5	95.6	96.2	96.1	95.9	95.3	95.9
Vnom	275	93.0	95.3	96.0	95.9	95.9	95.2	95.7
Vmax	400	91.7	94.4	95.2	95.7	95.5	95.0	95.3

CEC Efficiency = 95.5%



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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(kW)	(Vdc)	(%)
10%	Vmin	460	230	93.490	460	230	93.479	460	230	93.476	460	230	93.482	460	230	93.489
20%	Vmin	921	230	95.682	920	230	95.622	920	230	95.623	920	230	95.623	920	230	95.625
30%	Vmin	1380	230	96.233	1380	230	96.189	1380	230	96.188	1380	230	96.183	1380	230	96.181
50%	Vmin	2307	230	96.067	2300	230	96.063	2300	230	96.063	2300	230	96.065	2300	230	96.065
75%	Vmin	3454	230	95.953	3450	230	95.915	3450	230	95.982	3450	230	95.969	3450	230	95.930
100%	Vmin	4807	230	95.312	4563	230	95.322	4563	230	95.326	4566	230	95.321	4562	230	95.323
10%	Vnom	460	275	92.939	460	275	93.009	460	275	93.002	460	275	93.003	460	275	93.006
20%	Vnom	919	275	95.361	920	275	95.311	920	275	95.315	920	275	95.317	920	275	95.320
30%	Vnom	1381	275	96.002	1380	275	95.967	1380	275	95.960	1380	275	95.952	1380	275	95.949
50%	Vnom	2303	275	95.863	2300	275	95.863	2300	275	95.871	2300	275	95.899	2300	275	95.916
75%	Vnom	3452	275	95.832	3450	275	95.843	3450	275	95.875	3450	275	95.865	3450	275	95.849
100%	Vnom	4582	275	95.253	4560	275	95.246	4559	275	95.240	4559	275	95.236	4559	275	95.234
10%	Vmax	461	400	91.796	460	400	91.735	460	400	91.735	460	400	91.741	460	400	91.740
20%	Vmax	920	400	94.366	920	400	94.365	920	400	94.365	920	400	94.392	920	400	94.396
30%	Vmax	1382	400	95.233	1380	400	95.241	1380	400	95.206	1380	400	95.218	1380	400	95.233
50%	Vmax	2303	400	95.645	2300	400	95.685	2300	400	95.673	2300	400	95.653	2300	400	95.657
75%	Vmax	3454	400	95.504	3450	400	95.549	3450	400	95.544	3450	400	95.533	3450	400	95.518
100%	Vmax	4583	400	94.939	4586	400	94.952	4586	399	94.955	4586	400	94.954	4586	400	94.956

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															