Manufacturer: Solar Liberty, Inc.

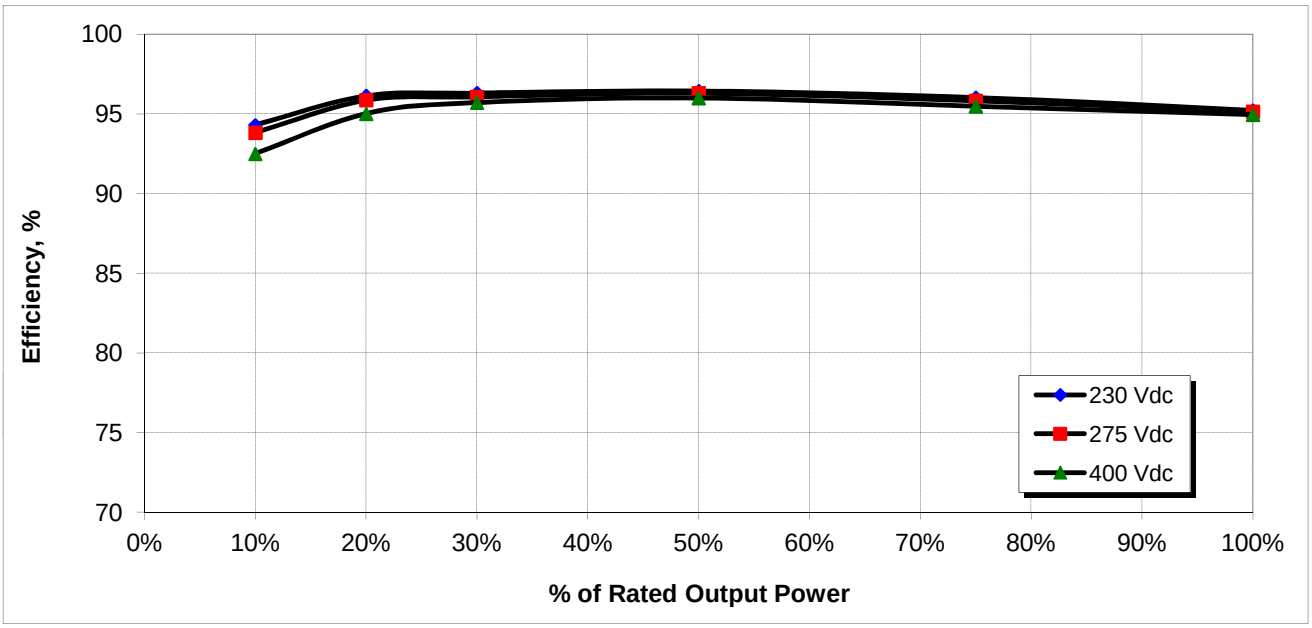
Model #: SLX 5300 (240Vac)

Rated Maximum Continuous Output Power: 5.3 kW Night Tare Loss: 14.00 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.53	1.06	1.59	2.65	3.98	5.30	Wtd
Vmin	230	94.3	96.1	96.3	96.4	96.0	95.2	96.0
Vnom	275	93.8	95.9	96.1	96.3	95.8	95.2	95.8
Vmax	400	92.5	95.0	95.7	96.0	95.5	94.9	95.4

CEC Efficiency = 96.0%



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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	530	230	94.297	530	230	94.300	530	230	94.307	530	230	94.307	530	230	94.306
20%	Vmin	1060	230	96.132	1060	230	96.133	1060	230	96.137	1060	230	96.141	1060	230	96.138
30%	Vmin	1592	231	96.291	1590	230	96.289	1587	230	96.320	1586	230	96.343	1591	230	96.340
50%	Vmin	2654	230	96.459	2654	230	96.461	2654	230	96.450	2654	230	96.420	2654	230	96.420
75%	Vmin	3977	230	95.957	3979	230	95.956	3976	230	96.055	3973	230	96.072	3974	230	96.123
100%	Vmin	5250	230	95.210	5250	230	95.210	5236	230	95.225	5235	230	95.224	5236	230	95.226
10%	Vnom	530	275	93.832	530	275	93.830	529	275	93.831	530	275	93.827	529	275	93.824
20%	Vnom	1061	275	95.876	1060	275	95.854	1060	275	95.860	1061	275	95.865	1061	275	95.860
30%	Vnom	1594	275	96.101	1588	275	96.075	1588	275	96.075	1588	275	96.064	1591	275	96.061
50%	Vnom	2648	275	96.321	2648	275	96.309	2649	275	96.304	2649	275	96.301	2649	275	96.305
75%	Vnom	3976	275	95.853	3978	275	95.840	3976	275	95.821	3976	275	95.822	3976	275	95.795
100%	Vnom	5255	272	95.146	5250	275	95.138	5235	275	95.156	5235	275	95.156	5235	275	95.156
10%	Vmax	531	400	92.500	531	400	92.496	531	400	92.494	530	400	92.492	530	400	92.492
20%	Vmax	1059	400	95.034	1060	400	95.009	1060	400	95.005	1060	400	95.001	1060	400	94.999
30%	Vmax	1587	400	95.705	1589	400	95.704	1588	400	95.697	1589	400	95.702	1589	400	95.706
50%	Vmax	2648	400	95.916	2648	400	95.995	2648	400	95.987	2651	400	96.031	2650	400	96.029
75%	Vmax	3977	400	95.496	3976	400	95.495	3976	400	95.487	3975	400	95.459	3974	400	95.426
100%	Vmax	5246	400	94.940	5252	400	94.932	5243	399	94.930	5268	400	94.954	5268	400	94.940

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															