Manufacturer: Yes! Solar Inc.

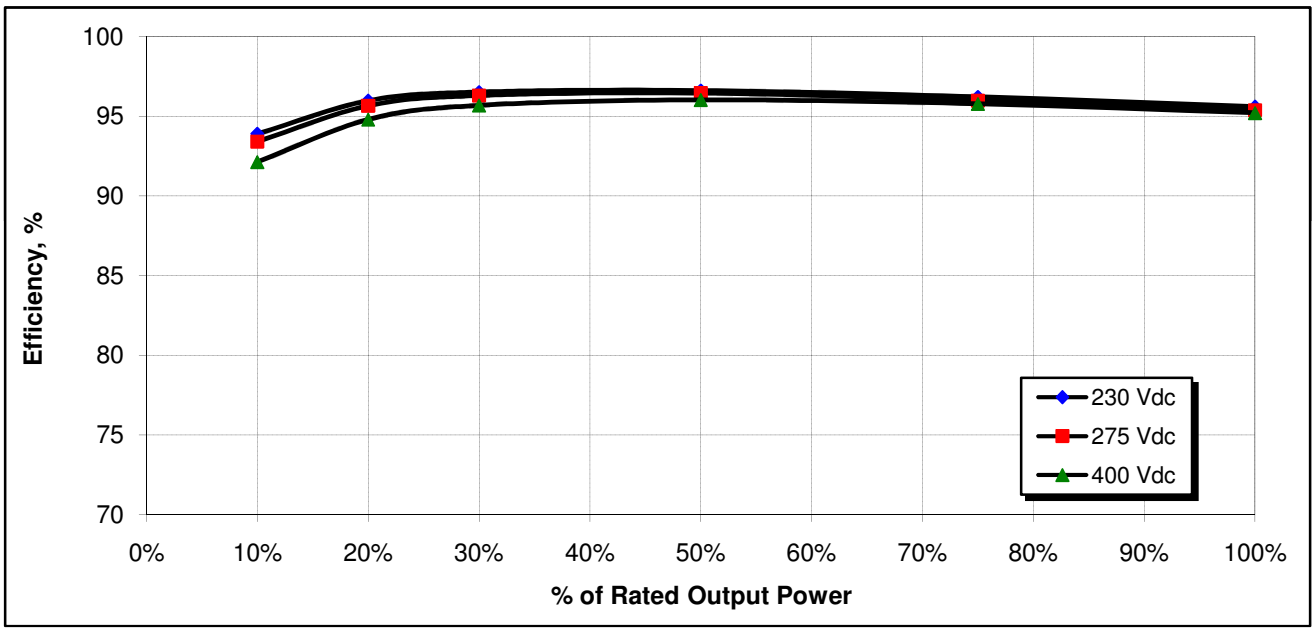
Model #: ES5000 (240V)

Rated Maximum Continuous Output Power: 4.9 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)		0.49	0.98	1.47	2.45	3.68	4.90	Wtd
Vmin	230	93.9	96.0	96.5	96.6	96.2	95.6	96.2
Vnom	275	93.4	95.7	96.3	96.5	96.0	95.4	96.0
Vmax	400	92.1	94.8	95.7	96.0	95.8	95.2	95.6
								95.92

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	490	230	93.894	490	230	93.897	490	230	93.900	490	230	93.906	490	230	93.915
20%	Vmin	980	230	95.981	980	230	95.978	980	230	95.976	980	230	95.976	980	230	95.976
30%	Vmin	1470	230	96.519	1470	230	96.519	1470	230	96.518	1470	230	96.516	1470	230	96.516
50%	Vmin	2450	230	96.603	2450	230	96.623	2450	230	96.621	2450	230	96.616	2450	230	96.615
75%	Vmin	3675	230	96.203	3675	230	96.212	3675	230	96.237	3675	230	96.224	3675	230	96.207
100%	Vmin	4851	230	95.597	4582	230	95.595	4851	230	95.596	4852	230	95.596	4852	230	95.596
10%	Vnom	490	275	93.420	490	275	93.415	490	275	93.411	490	275	93.415	490	275	93.415
20%	Vnom	980	275	95.654	980	275	95.657	980	275	95.659	980	275	95.660	980	275	95.661
30%	Vnom	1470	275	96.307	1470	275	96.304	1470	275	96.304	1470	275	96.304	1470	275	96.303
50%	Vnom	2450	275	96.467	2450	275	96.460	2450	275	96.455	2450	275	96.451	2450	275	96.450
75%	Vnom	3675	275	95.995	3675	275	95.990	3675	275	95.975	3675	275	95.985	3675	275	95.976
100%	Vnom	4841	275	95.371	4841	275	95.370	4841	275	95.369	4841	275	95.371	4841	275	95.371
10%	Vmax	490	400	92.131	490	400	92.126	490	400	92.124	490	400	92.122	490	400	92.121
20%	Vmax	980	400	94.812	980	400	94.796	980	400	94.787	980	400	94.784	980	400	94.782
30%	Vmax	1470	400	95.687	1470	400	95.681	1470	400	95.677	1470	400	95.675	1470	400	95.671
50%	Vmax	2450	400	96.037	2450	400	96.029	2450	400	96.020	2450	400	96.011	2450	400	96.009
75%	Vmax	3675	400	95.760	3675	400	95.766	3675	400	95.791	3675	400	95.787	3675	400	95.783
100%	Vmax	4848	400	95.195	4848	400	95.202	4848	399	95.207	4848	400	95.212	4848	400	95.213

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															