Manufacturer: HiSEL Power Corporation

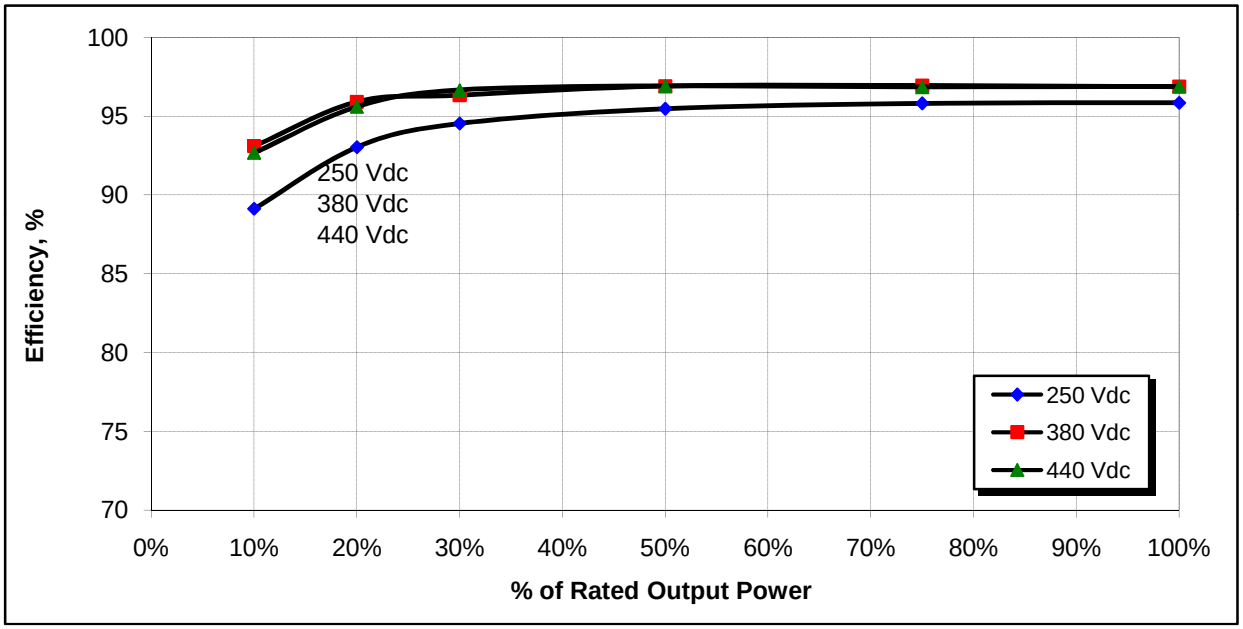
Model #: HiSEL-K 3000 (240 Vac)

Rated Maximum Continuous Output Power: 2.80 kW Night Tare Loss: 0.15 W

Vmin: 250 Vdc Vnom: 380 Vdc Vmax: 440 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.28	0.56	0.84	1.40	2.10	2.80	Wtd
Vmin	250	89.1	93.0	94.5	95.5	95.8	95.8	95.2
Vnom	380	93.1	95.9	96.3	96.9	96.9	96.9	96.7
Vmax	440	92.7	95.6	96.7	96.9	96.9	96.9	96.6

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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)
10%	Vmin	0.258	260.15	88.913	0.259	255.72	89.163	0.259	257.02	89.064	0.260	260.37	89.331	0.259	260.15	89.113
20%	Vmin	0.565	255.87	93.015	0.566	255.67	93.061	0.564	250.89	92.932	0.565	250.8	93.050	0.565	251.84	93.111
30%	Vmin	0.842	252.43	94.476	0.842	257.04	94.535	0.843	257.09	94.559	0.843	256.18	94.589	0.842	252.88	94.534
50%	Vmin	1.406	254.87	95.429	1.406	258.1	95.560	1.406	253	95.497	1.405	253.62	95.429	1.407	254.33	95.465
75%	Vmin	2.092	253.79	95.812	2.091	252.93	95.795	2.093	254.34	95.824	2.092	252.94	95.818	2.093	253.93	95.833
100%	Vmin	2.797	256.5	95.763	2.797	255.84	95.765	2.793	254	95.530	2.793	253.45	96.048	2.777	257.69	96.141
10%	Vnom	0.271	375.04	93.360	0.273	377.01	93.954	0.267	379.05	91.970	0.270	383.12	92.827	0.272	376.3	93.413
20%	Vnom	0.562	377.53	95.641	0.566	378.42	96.304	0.560	378.48	95.462	0.565	379.63	96.095	0.564	380.77	96.085
30%	Vnom	0.819	383.74	96.197	0.819	384.28	96.238	0.822	381.64	96.616	0.819	381.44	96.267	0.820	382.5	96.398
50%	Vnom	1.427	383.99	96.732	1.431	386.13	96.913	1.431	382.63	96.965	1.433	386.87	97.172	1.429	383.86	96.810
75%	Vnom	2.107	383.23	96.972	2.108	381.62	97.025	2.109	384.02	97.044	2.103	384.97	96.796	2.106	384.55	96.913
100%	Vnom	2.801	384.65	96.852	2.804	384.27	96.961	2.803	384.21	96.903	2.799	382.36	96.803	2.802	383.73	96.887
10%	Vmax	0.270	389.11	92.745	0.272	389.66	93.539	0.268	391.06	91.727	0.271	399.92	92.971	0.269	399.97	92.413
20%	Vmax	0.565	397.76	96.241	0.559	393.16	95.325	0.561	398.22	95.506	0.559	394.03	95.108	0.563	391.92	95.826
30%	Vmax	0.823	393.04	96.759	0.820	395.68	96.376	0.822	395.92	96.623	0.824	393.98	96.870	0.823	394.28	96.661
50%	Vmax	1.433	397.89	97.080	1.433	399.94	97.055	1.426	398.7	96.625	1.430	398.95	96.851	1.431	397.58	96.955
75%	Vmax	2.105	396.73	96.845	2.104	396.24	96.830	2.106	398.86	96.892	2.108	398.32	97.058	2.100	397.48	96.644
100%	Vmax	2.803	398.25	96.909	2.803	395.35	96.931	2.803	397.91	96.896	2.801	395.42	96.843	2.802	398.88	96.842

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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(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															