Manufacturer: HiSEL Power Corporation

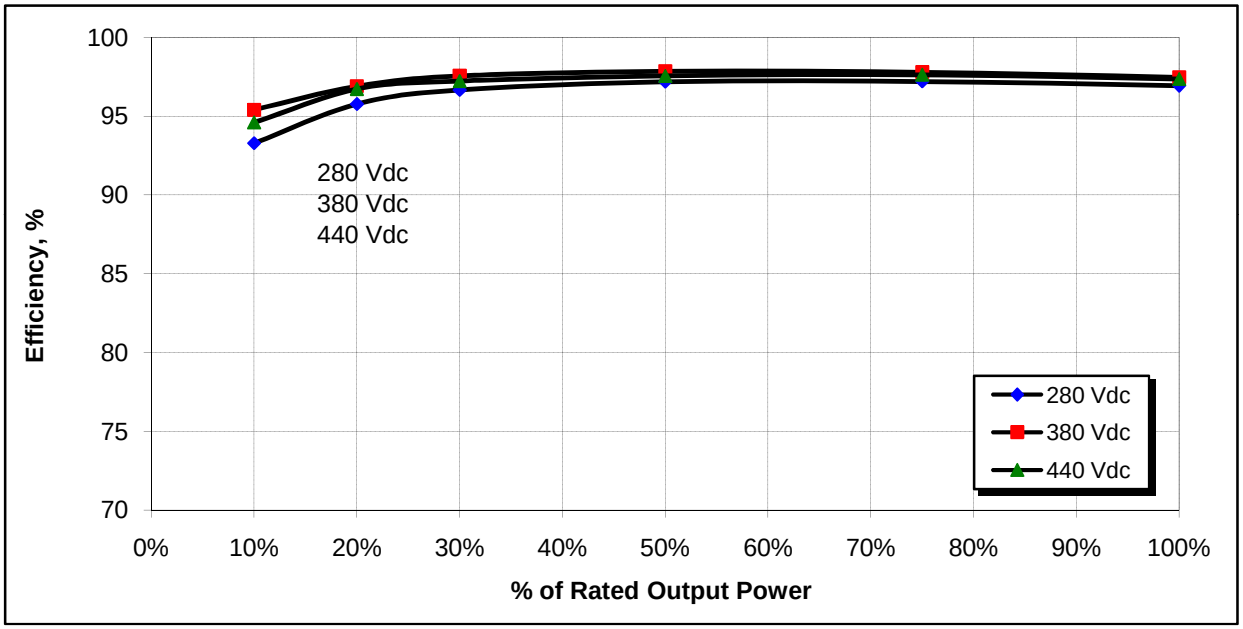
Model #: HiSEL-K 5000 (240 Vac)

Rated Maximum Continuous Output Power: 4.60 kW Night Tare Loss: 0.10 W

Vmin: 280 Vdc Vnom: 380 Vdc Vmax: 440 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	280	93.3	95.8	96.7	97.2	97.2	96.9	96.9
Vnom	380	95.4	96.9	97.6	97.9	97.8	97.5	97.6
Vmax	440	94.6	96.7	97.2	97.6	97.6	97.4	97.4

CEC Efficiency = 97.5%



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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)
10%	Vmin	0.463	292.68	93.568	0.460	290.34	93.284	0.459	295.06	93.183	0.460	293.38	93.134	0.463	286.39	93.238
20%	Vmin	0.949	285.01	95.716	0.950	288.46	95.888	0.949	283.83	95.766	0.949	286.64	95.685	0.950	287.29	95.784
30%	Vmin	1.389	288.83	96.682	1.387	284.96	96.573	1.387	288.05	96.670	1.390	286.1	96.655	1.390	288.06	96.738
50%	Vmin	2.380	282.12	97.224	2.379	281.79	97.161	2.379	284.02	97.155	2.380	282.55	97.184	2.381	280.35	97.223
75%	Vmin	3.423	280.79	97.196	3.422	281.94	97.195	3.425	281.92	97.227	3.424	281.22	97.220	3.423	282.58	97.200
100%	Vmin	4.631	279.28	96.890	4.633	281.47	96.955	4.630	277.68	96.955	4.630	281.03	96.931	4.632	280.77	96.920
10%	Vnom	0.446	376.05	95.363	0.444	377.9	95.309	0.446	376.04	95.351	0.444	374.96	95.215	0.448	377.45	95.801
20%	Vnom	0.958	368.98	96.664	0.964	378.62	97.222	0.963	382.51	97.428	0.957	378.06	96.133	0.962	375.32	97.052
30%	Vnom	1.400	379.05	97.455	1.401	382.58	97.532	1.402	378.43	97.519	1.404	376.85	97.653	1.404	376.63	97.646
50%	Vnom	2.398	377.52	97.820	2.399	377.05	97.824	2.400	377.48	97.850	2.400	375.99	97.931	2.397	381.03	97.846
75%	Vnom	3.449	377.73	97.753	3.449	377.6	97.793	3.449	376.03	97.791	3.450	377.29	97.802	3.451	379.82	97.833
100%	Vnom	4.674	377.26	97.452	4.670	374.62	97.396	4.676	377.24	97.518	4.676	378.48	97.484	4.675	381.67	97.503
10%	Vmax	0.453	430.66	95.162	0.450	444.05	94.403	0.450	435.19	94.718	0.450	447.81	94.525	0.448	448.28	94.214
20%	Vmax	0.960	432.93	96.973	0.957	435.38	96.667	0.958	432.18	96.846	0.956	428.25	96.633	0.955	440.62	96.496
30%	Vmax	1.400	440.41	97.170	1.399	438.98	97.168	1.400	440.95	97.273	1.398	435.42	97.216	1.402	435.06	97.313
50%	Vmax	2.396	439.17	97.542	2.396	431.75	97.601	2.395	440.11	97.539	2.396	439.76	97.510	2.398	439.11	97.577
75%	Vmax	3.454	439.28	97.598	3.455	439.67	97.632	3.457	435.71	97.667	3.454	438.06	97.612	3.454	436.4	97.627
100%	Vmax	4.687	436.89	97.329	4.688	433.59	97.394	4.687	438.48	97.327	4.691	436.76	97.423	4.687	434.43	97.320

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															