Manufacturer: HiSEL Power Corporation

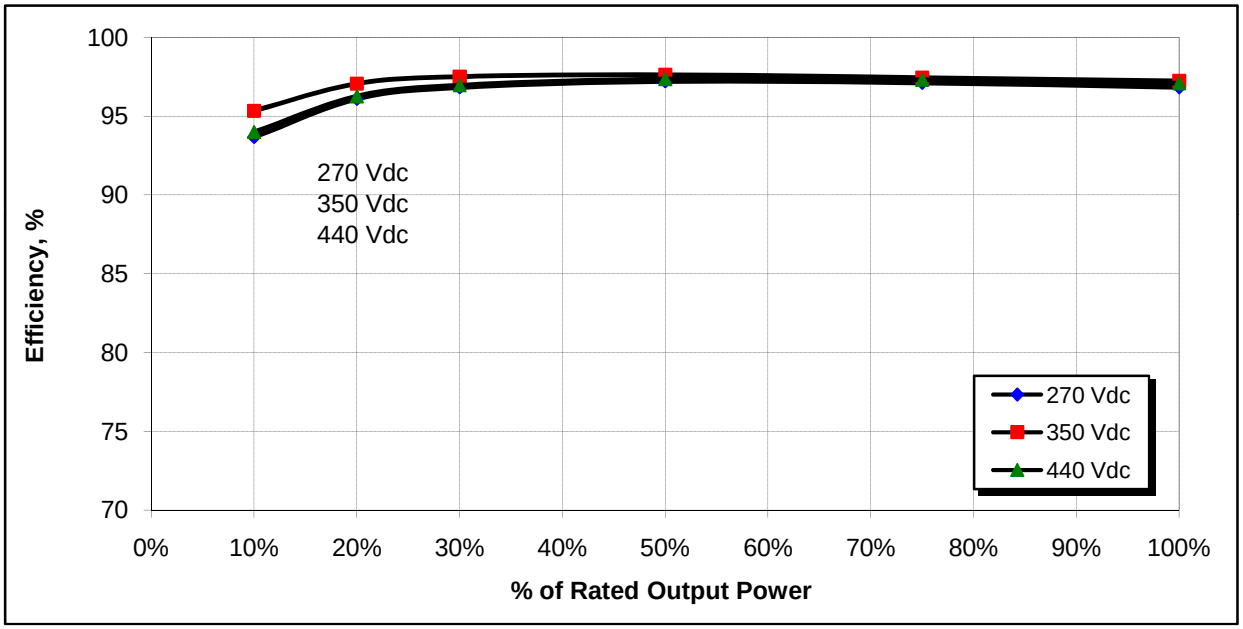
Model #: HiSEL-K 4000 (208 Vac)

Rated Maximum Continuous Output Power: 4.00 kW Night Tare Loss: 0.07 W

Vmin: 270 Vdc Vnom: 350 Vdc Vmax: 440 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.40	0.80	1.20	2.00	3.00	4.00	Wtd
Vmin	270	93.7	96.1	96.8	97.2	97.1	96.8	96.9
Vnom	350	95.4	97.1	97.5	97.6	97.4	97.2	97.4
Vmax	440	94.0	96.3	97.0	97.4	97.3	97.1	97.1

CEC Efficiency = 97.0%



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	0.388	280.09	93.512	0.390	280.61	93.758	0.390	274.05	93.695	0.389	275.82	93.684	0.391	278.42	93.686
20%	Vmin	0.799	273.42	96.122	0.799	278.79	96.132	0.800	273.46	96.086	0.797	278.88	95.993	0.798	278.22	96.116
30%	Vmin	1.206	271.69	96.777	1.208	276.3	96.891	1.205	274.02	96.840	1.204	275.84	96.851	1.205	276.81	96.751
50%	Vmin	2.041	272.16	97.214	2.040	274.74	97.168	2.040	277.63	97.216	2.039	275.2	97.194	2.043	273	97.257
75%	Vmin	3.047	273.99	97.149	3.044	271.91	97.136	3.046	273.97	97.121	3.045	273.14	97.091	3.046	272.44	97.096
100%	Vmin	3.968	271.57	96.835	3.966	275.21	96.832	3.967	275.05	96.828	3.965	275.21	96.817	3.968	274.59	96.848
10%	Vnom	0.391	346.63	95.527	0.391	353.05	95.354	0.390	354.45	95.269	0.389	351.26	95.056	0.389	345.78	95.545
20%	Vnom	0.807	348.12	97.075	0.807	354.49	96.807	0.808	352.91	97.109	0.808	349.88	97.124	0.808	350.75	97.224
30%	Vnom	1.228	357.42	97.487	1.230	348.77	97.665	1.229	350.4	97.485	1.226	347.94	97.477	1.228	351.98	97.448
50%	Vnom	2.038	348.36	97.654	2.036	353.25	97.563	2.040	350.18	97.683	2.036	347.85	97.671	2.039	354.07	97.606
75%	Vnom	3.071	350.03	97.366	3.076	347.93	97.533	3.071	347.5	97.434	3.073	349.99	97.442	3.075	350.96	97.468
100%	Vnom	4.069	350.63	97.215	4.071	351.67	97.265	4.070	347.71	97.241	4.069	352.63	97.231	4.069	346.56	97.278
10%	Vmax	0.383	439.88	93.671	0.386	428.08	94.514	0.383	429.27	93.683	0.382	444.98	93.794	0.386	437.58	94.312
20%	Vmax	0.820	432.66	96.261	0.818	440.14	96.162	0.820	437.85	96.286	0.819	441.4	96.302	0.820	433.36	96.314
30%	Vmax	1.222	433.22	97.134	1.216	444.25	96.852	1.221	437.58	96.969	1.221	439.08	96.937	1.220	437.94	96.917
50%	Vmax	2.030	440.79	97.341	2.033	434.33	97.389	2.029	443.63	97.265	2.033	439.55	97.330	2.033	435	97.448
75%	Vmax	3.069	437.26	97.308	3.074	436.73	97.329	3.074	437.33	97.328	3.074	439.11	97.302	3.075	437.5	97.308
100%	Vmax	4.022	437.14	97.071	4.023	435.33	97.101	4.022	437.96	97.089	4.021	432.53	97.099	4.019	432.77	97.125

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															