Manufacturer: HiSEL Power Corporation

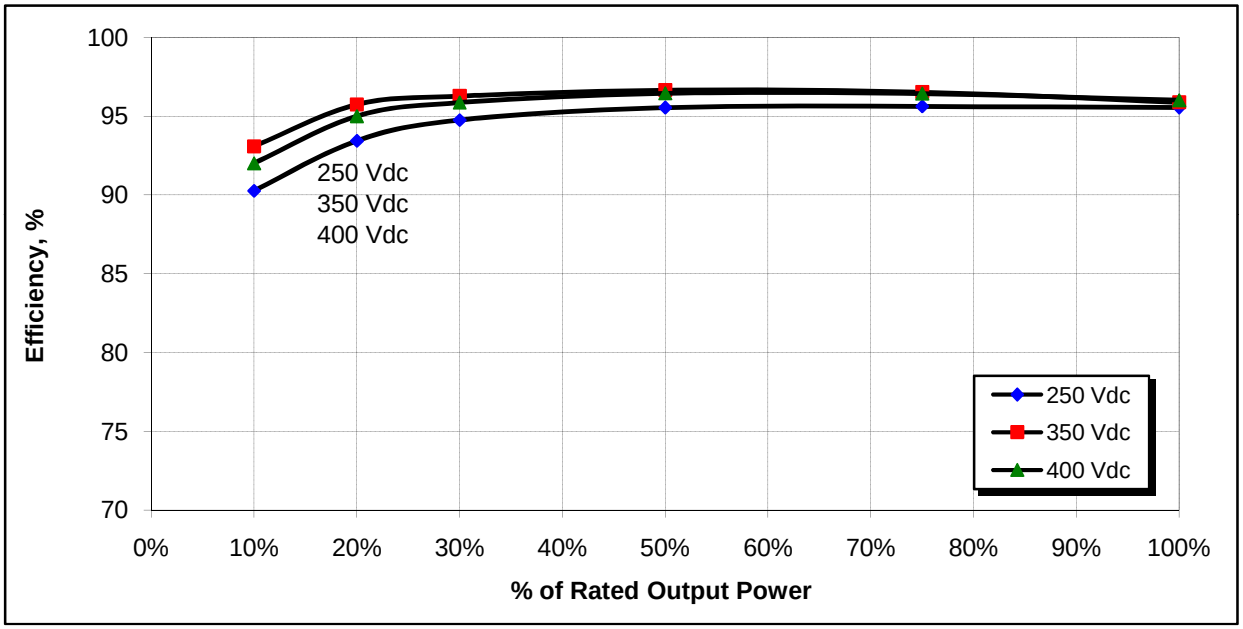
Model #: HiSEL-K 3000 (208 Vac)

Rated Maximum Continuous Output Power: 2.80 kW Night Tare Loss: 0.11 W

Vmin: 250 Vdc Vnom: 350 Vdc Vmax: 400 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	90.3	93.4	94.8	95.6	95.6	95.6	95.2
Vnom	350	93.1	95.7	96.3	96.7	96.5	95.9	96.3
Vmax	400	92.0	95.0	95.9	96.5	96.4	96.0	96.1

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	0.269	255.94	90.121	0.270	257.28	90.350	0.269	256.51	90.200	0.270	256.95	90.395	0.270	251.69	90.302
20%	Vmin	0.548	257.8	93.328	0.549	257	93.487	0.549	258.85	93.388	0.550	255.71	93.456	0.549	260.16	93.556
30%	Vmin	0.845	255.92	94.767	0.845	255	94.790	0.843	255.66	94.724	0.845	256.26	94.794	0.843	257.53	94.737
50%	Vmin	1.409	254.27	95.580	1.409	254.86	95.579	1.407	256.23	95.552	1.408	253.97	95.569	1.406	251.38	95.505
75%	Vmin	2.067	252.46	95.604	2.070	255.21	95.653	2.069	252.94	95.588	2.069	257.15	95.697	2.069	253.79	95.613
100%	Vmin	2.803	250.65	95.675	2.802	252.81	95.665	2.790	256.64	95.583	2.784	255.38	95.464	2.794	252.12	95.402
10%	Vnom	0.275	343.59	94.404	0.271	348.96	92.883	0.269	346.53	92.216	0.272	346.76	93.379	0.270	361.7	92.560
20%	Vnom	0.564	349.88	95.776	0.563	349.89	95.539	0.564	348.28	95.814	0.564	349.3	95.769	0.564	350.87	95.800
30%	Vnom	0.856	353.05	95.958	0.857	353.62	96.107	0.862	351.14	96.579	0.859	351.95	96.348	0.860	352.75	96.390
50%	Vnom	1.428	353.37	96.655	1.429	350.54	96.723	1.429	352.74	96.692	1.427	351.09	96.560	1.428	353	96.619
75%	Vnom	2.098	353.7	96.425	2.099	352.67	96.508	2.100	350.58	96.532	2.102	352.62	96.617	2.100	350.79	96.567
100%	Vnom	2.809	357.69	95.894	2.809	357.51	95.898	2.810	357.01	95.897	2.810	356.95	95.907	2.786	344.77	95.825
10%	Vmax	0.268	391.41	92.048	0.267	390.24	91.661	0.264	389.85	90.793	0.269	390.68	92.252	0.272	391.13	93.326
20%	Vmax	0.558	398.03	94.941	0.560	397.33	95.176	0.556	400.03	94.500	0.561	397.87	95.408	0.559	398.1	95.023
30%	Vmax	0.851	399.57	95.545	0.856	396.52	96.084	0.855	394.12	96.083	0.853	394.28	95.730	0.854	397.82	95.933
50%	Vmax	1.426	397.53	96.627	1.420	397.67	96.261	1.420	396.49	96.302	1.423	398.24	96.403	1.427	398.16	96.728
75%	Vmax	2.100	397.02	96.656	2.093	395.52	96.355	2.094	396.05	96.399	2.096	397.55	96.447	2.094	395.42	96.374
100%	Vmax	2.813	396.95	96.132	2.808	396.03	95.952	2.810	398.22	95.987	2.808	401.18	95.964	2.812	397.63	96.074

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															