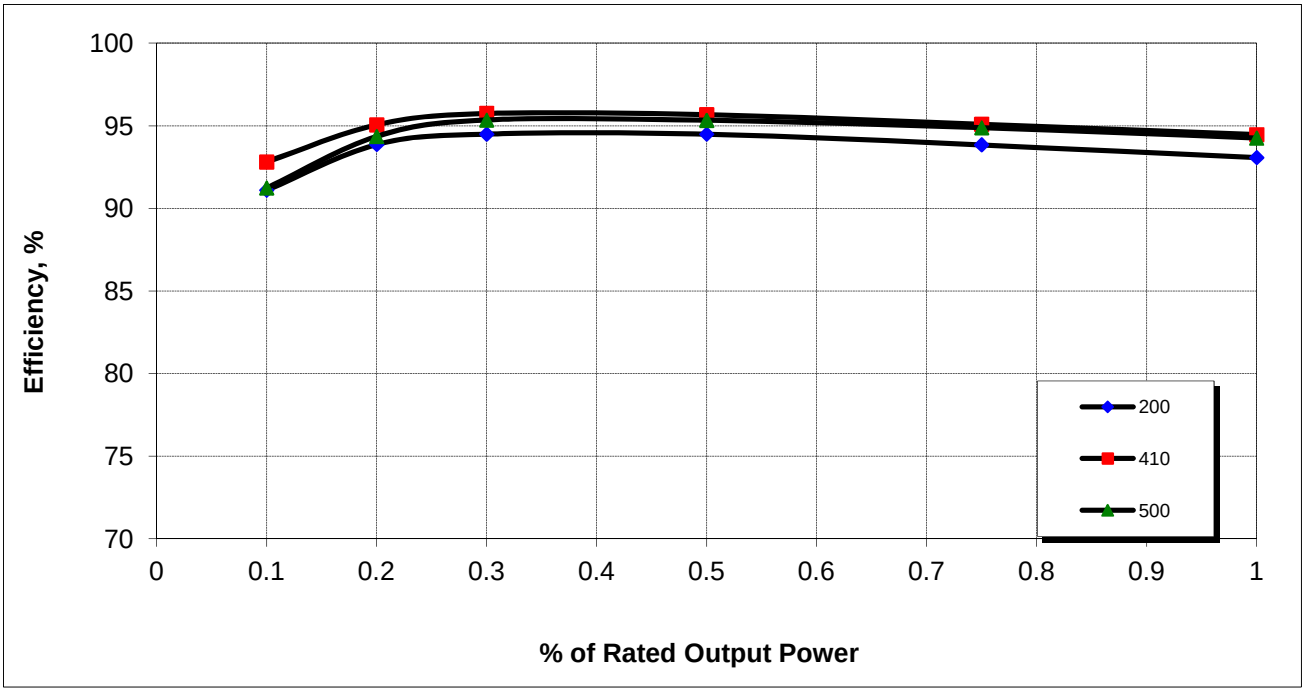
Manufacturer: Ningbo Ginlong Technologies Co., Ltd.
Model #: GCI-5K-DB

Rated Maximum Continuous Output Power: 5000.00 W Night Tare Loss: 0.44 W

Vmin: 200 Vdc Vnom: 410 Vdc Vmax: 500 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		500.00	1000.00	1500.00	2500.00	3750.00	5000.00	Wtd
Vmin	200	91.1	93.9	94.5	94.5	93.8	93.1	93.9
Vnom	410	92.8	95.1	95.7	95.7	95.1	94.5	95.2
Vmax	500	91.2	94.4	95.4	95.3	94.9	94.3	94.8

CEC Efficiency = 94.5%



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	454.569	200.201	91.100	454.402	200.2	91.123	454.355	200.202	91.120	453.862	200.203	91.070	454.506	200.202	91.111
20%	Vmin	1019.52	199.926	93.889	1018.81	199.924	93.866	1018.33	199.924	93.856	1018.07	199.921	93.861	1018.82	199.919	93.876
30%	Vmin	1511.25	199.805	94.511	1511.08	199.807	94.494	1511.66	199.804	94.503	1511.64	199.806	94.505	1511.5	199.807	94.499
50%	Vmin	2515.95	199.595	94.501	2516.61	199.592	94.510	2516.2	199.597	94.500	2516.02	199.593	94.494	2516.38	199.593	94.506
75%	Vmin	3811.31	199.304	93.843	3811.73	199.3	93.847	3812.19	199.299	93.852	3811.75	199.299	93.848	3812.27	199.295	93.853
100%	Vmin	4917.93	199.032	93.082	4917.53	199.036	93.075	4917.65	199.039	93.075	4917.2	199.038	93.069	4917.33	199.032	93.069
10%	Vnom	479.687	410.363	92.822	479.716	410.365	92.820	479.69	410.369	92.811	479.842	410.364	92.820	479.668	410.365	92.808
20%	Vnom	983.322	410.153	95.064	983.323	410.154	95.065	983.176	410.155	95.058	983.23	410.153	95.061	983.315	410.154	95.061
30%	Vnom	1493.61	410.081	95.723	1493.79	410.08	95.738	1493.78	410.082	95.751	1493.7	410.081	95.762	1493.69	410.075	95.775
50%	Vnom	2376.51	409.824	95.680	2376.48	409.822	95.679	2376.37	409.82	95.679	2376.29	409.818	95.680	2376.39	409.82	95.677
75%	Vnom	3704.79	409.877	95.096	3704.69	409.879	95.095	3704.7	409.878	95.095	3704.73	409.875	95.096	3704.68	409.88	95.096
100%	Vnom	4979.51	407.378	94.468	4979.58	407.383	94.468	4979.68	407.386	94.468	4979.74	407.385	94.468	4979.78	407.382	94.468
10%	Vmax	470.397	500.35	91.237	470.448	500.347	91.242	470.41	500.344	91.234	470.523	500.346	91.233	470.473	500.349	91.232
20%	Vmax	998.556	500.254	94.357	998.548	500.258	94.353	998.484	500.256	94.355	998.516	500.254	94.357	998.569	500.252	94.355
30%	Vmax	1509.57	500.149	95.345	1509.22	500.143	95.347	1509.33	500.147	95.350	1509.29	500.146	95.360	1509.28	500.146	95.359
50%	Vmax	2456.02	500.06	95.334	2456.1	500.057	95.336	2456.07	500.059	95.337	2456.02	500.058	95.335	2456.01	500.057	95.335
75%	Vmax	3728.02	499.524	94.882	3727.88	499.527	94.884	3727.87	499.527	94.884	3727.84	499.527	94.884	3726.41	494.047	94.898
100%	Vmax	4942.09	497.212	94.261	4941.94	497.211	94.263	4942.11	497.211	94.262	4942.17	497.209	94.260	4942.15	497.212	94.260

Specified		Sample #			Sample #			Sample #			Sample #			Sample #		
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															
50%	Vnom															
75%	Vnom															
100%	Vnom															
10%	Vmax															
20%	Vmax															
30%	Vmax															