Manufacturer: Powercom Co., Ltd.

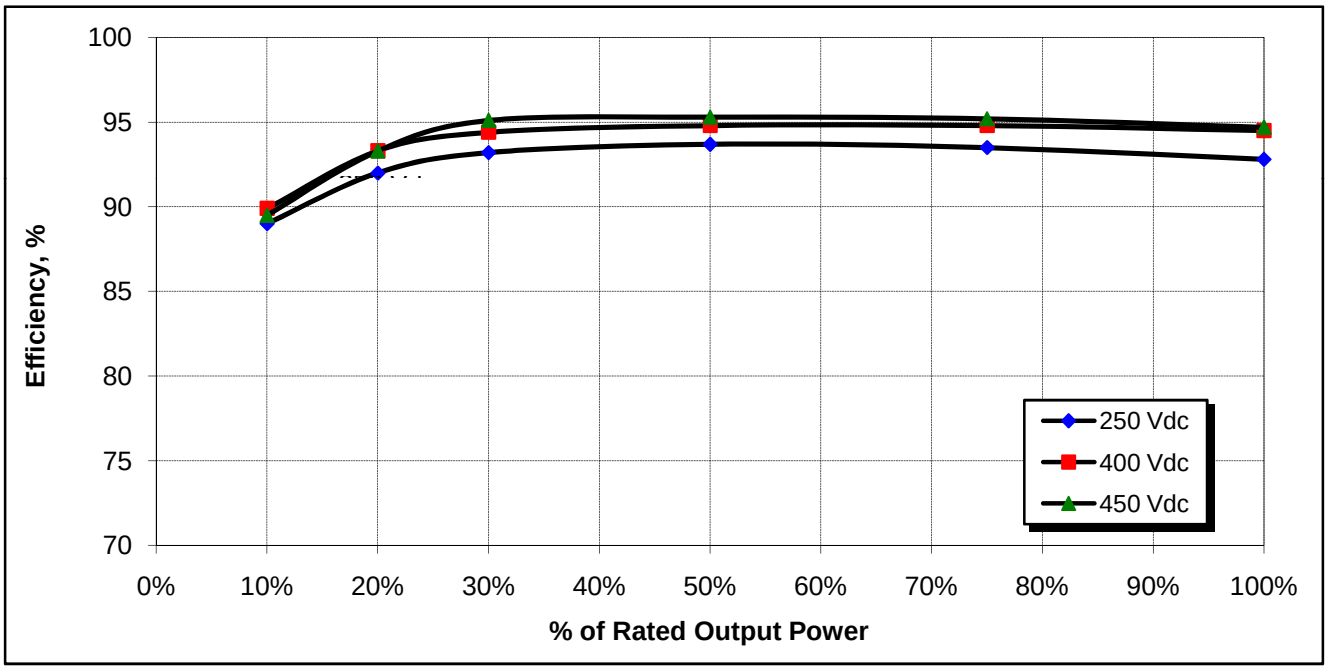
Model #: SLK-4000

Rated Maximum Continuous Output Power: 4.01 kW Night Tare Loss: 0.38 W

Vmin: 250 Vdc Vnom: 400 Vdc Vmax: 450 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.40	0.80	1.20	2.01	3.01	4.01	Wtd
Vmin	250	89.0	92.0	93.2	93.7	93.5	92.8	93.2
Vnom	400	89.9	93.3	94.4	94.8	94.8	94.5	94.5
Vmax	450	89.5	93.3	95.1	95.3	95.2	94.7	94.9

CEC Efficiency = 94.0%



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)	(%)	(W)	(Vdc)	(%)
10%	Vmin	0.408	230.69	0.888	0.407	232.53	0.888	0.409	232.25	0.891	0.408	232.78	0.890	0.408	232.45	0.890
20%	Vmin	0.807	237.01	0.918	0.809	236.35	0.921	0.811	236.28	0.921	0.811	235.96	0.920	0.813	235.95	0.920
30%	Vmin	1.220	240.1	0.933	1.222	240.07	0.931	1.223	239.87	0.931	1.225	239.05	0.931	1.224	239.48	0.932
50%	Vmin	2.028	244.16	0.938	2.033	244.13	0.937	2.036	243.93	0.938	2.036	244	0.937	2.037	243.73	0.937
75%	Vmin	3.001	246.83	0.936	3.004	246.91	0.936	3.002	246.66	0.934	3.007	246.5	0.935	3.007	246.54	0.935
100%	Vmin	3.929	250.8	0.928	3.938	250.76	0.928	3.941	251.31	0.928	3.923	250.99	0.926	3.931	251.12	0.929
10%	Vnom	0.414	351.66	0.904	0.415	351.58	0.901	0.413	353.35	0.897	0.411	351.97	0.896	0.413	350.68	0.897
20%	Vnom	0.803	366.81	0.932	0.803	366.16	0.933	0.804	368.82	0.932	0.805	369.05	0.933	0.807	369.26	0.936
30%	Vnom	1.208	371.08	0.943	1.208	371.34	0.943	1.212	370.83	0.944	1.211	370.58	0.943	1.213	370.81	0.946
50%	Vnom	2.009	378.67	0.948	2.011	378.79	0.946	2.012	380.97	0.949	2.013	379.95	0.949	2.018	380	0.949
75%	Vnom	3.014	381.89	0.948	3.025	383.48	0.947	3.032	384.6	0.948	3.035	384.82	0.948	3.041	384.64	0.948
100%	Vnom	4.027	390.81	0.944	4.027	390.43	0.944	4.027	389.9	0.944	4.02	393.73	0.946	4.015	394.13	0.946
10%	Vmax	0.367	427.28	0.887	0.36	428.43	0.880	0.368	426.44	0.897	0.383	425.5	0.910	0.37	427	0.901
20%	Vmax	0.778	413.03	0.938	0.774	411.98	0.930	0.771	410.3	0.930	0.775	408.91	0.935	0.774	408.89	0.933
30%	Vmax	1.227	404.94	0.954	1.221	403.47	0.951	1.221	404.58	0.949	1.223	403.75	0.951	1.225	407.27	0.949
50%	Vmax	2.047	406.92	0.954	2.055	408.84	0.956	2.044	408.9	0.951	2.053	407.94	0.955	2.047	408.31	0.951
75%	Vmax	2.991	410.24	0.953	2.987	409.14	0.954	2.988	409.94	0.953	2.984	409.03	0.951	2.986	410.97	0.949
100%	Vmax	4.023	444.6	0.945	4.047	426.1	0.946	4.09	426.21	0.951	4.03	445.78	0.947	4.034	445.48	0.948

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)	(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															
30%	Vnom															
50%	Vnom															
75%	Vnom															
100%	Vnom															
10%	Vmax															
20%	Vmax															
30%	Vmax															
50%	Vmax															
75%	Vmax															
100%	Vmax															