Manufacturer: Powercom Co., Ltd.

Model #: SLK-4000

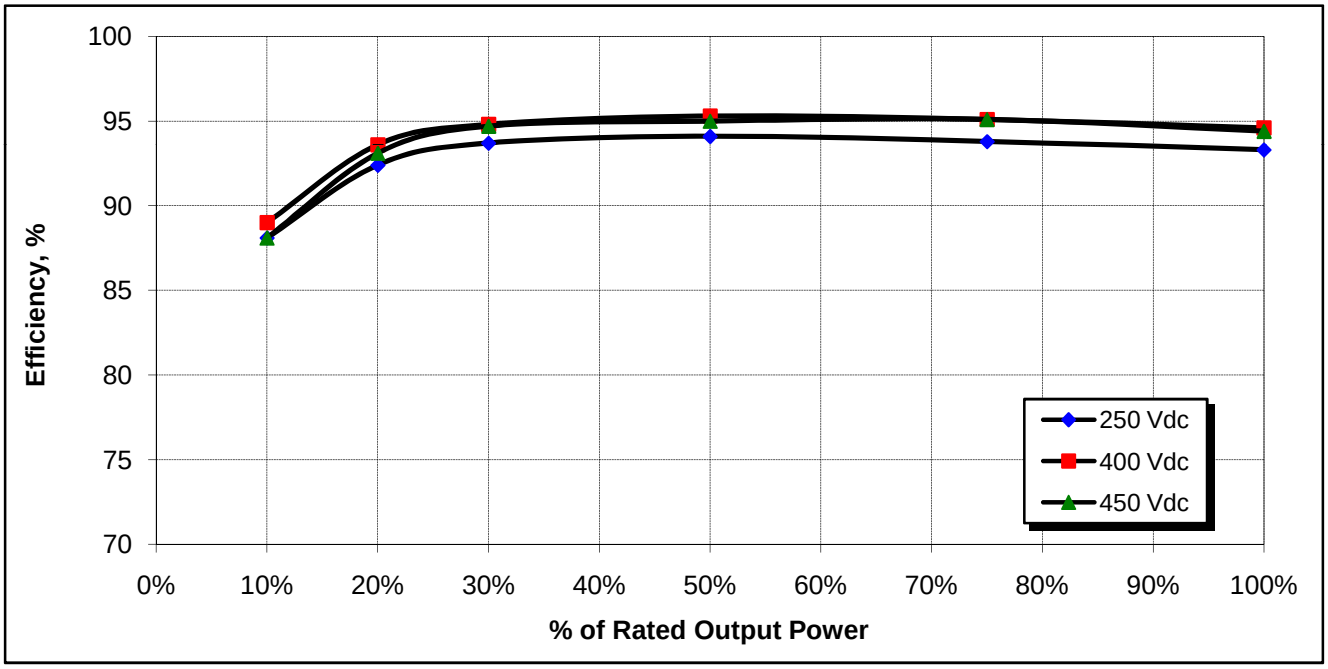
Rated Maximum Continuous Output Power (45°C): 3.80 kW Night Tare Loss: 0.16 W

Reduce Temperature Continuous Ouptut Power (40°C): 4.01 kW

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.38	0.76	1.14	1.90	2.85	3.80	Wtd
Vmin	250	88.1	92.4	93.7	94.1	93.8	93.3	93.5
Vnom	400	89.0	93.6	94.8	95.3	95.1	94.6	94.8
Vmax	450	88.1	93.1	94.7	95.0	95.1	94.4	94.6

CEC Efficiency = 94.5%



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)	(%)	(W)	(Vdc)	(%)
10%	Vmin	0.347	249.97	0.881	0.346	249.92	0.882	0.347	249.93	0.880	0.346	249.87	0.878	0.347	249.94	0.883
20%	Vmin	0.767	250.63	0.924	0.758	250.62	0.924	0.763	250.6	0.924	0.76	250.62	0.924	0.759	250.6	0.924
30%	Vmin	1.226	250.1	0.937	1.232	250.12	0.939	1.233	250.1	0.937	1.236	250.12	0.937	1.234	250.11	0.936
50%	Vmin	2.017	249.8	0.941	2.027	249.75	0.943	2.021	249.78	0.939	2.023	249.83	0.944	2.013	249.9	0.940
75%	Vmin	3.006	250.18	0.935	3.036	250.11	0.938	3.034	249.96	0.939	3.01	250.07	0.938	3.024	250.09	0.939
100%	Vmin	3.955	250.76	0.935	3.947	250.77	0.933	3.947	250.8	0.933	3.951	250.74	0.933	3.955	250.73	0.933
10%	Vnom	0.336	392.91	0.894	0.332	393.92	0.916	0.331	394.03	0.885	0.34	392.85	0.887	0.33	393.99	0.869
20%	Vnom	0.765	384.03	0.940	0.76	384.59	0.935	0.76	383.16	0.934	0.759	382.95	0.936	0.758	382.5	0.933
30%	Vnom	1.234	377.04	0.948	1.228	376.05	0.946	1.232	376.77	0.949	1.241	379.31	0.948	1.241	379.73	0.950
50%	Vnom	2.155	381.69	0.952	2.158	381.37	0.952	2.158	379.84	0.955	2.159	381.07	0.954	2.146	380.7	0.952
75%	Vnom	3.103	391.7	0.951	3.091	389.84	0.951	3.1	391.2	0.953	3.087	389.19	0.951	3.11	392.05	0.952
100%	Vnom	4.031	398.54	0.946	4.024	400.45	0.946	4.009	400.63	0.946	4.071	399.81	0.946	4.016	400.18	0.946
10%	Vmax	0.351	422.26	0.882	0.343	419.2	0.878	0.35	421.98	0.872	0.357	423.31	0.890	0.349	422.83	0.883
20%	Vmax	0.736	391.22	0.931	0.734	391.6	0.925	0.744	396.05	0.931	0.739	392.28	0.931	0.735	389.08	0.935
30%	Vmax	1.126	387.42	0.950	1.105	379.26	0.949	1.11	381.44	0.947	1.121	386.01	0.945	1.113	383.09	0.946
50%	Vmax	2.185	401.08	0.950	2.15	394.58	0.949	2.162	396.98	0.950	2.157	395.36	0.952	2.157	396.02	0.950
75%	Vmax	3.046	415.04	0.951	3.044	414.84	0.952	3.078	420.77	0.949	3.043	415.48	0.950	3.016	411.05	0.951
100%	Vmax	4.038	449.89	0.942	4.048	449.84	0.944	4.022	450	0.945	4.042	449.9	0.944	4.041	449.83	0.944

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															